

CERTIFICATE OF ACCREDITATION

Korea Apparel Testing & Research Institute

Accreditation No. : KT004

Corporation Registration No. : 114112-0000188

Address of (Branch site)51, Wangsan-ro, Dongdaemun-gu, Seoul, Republic of Korea

Laboratory : (Branch site-1)19, Deokcheon-ro 48beon-gil, Manan-gu, Anyang-si,
Gyeonggi-do, Republic of Korea

(Satellite Facilities-1-①)82, Jeonpa-ro 24beon-gil, Manan-gu,
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(Branch site-2)610, AceHightech 21, Centum City, 48 Centum
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(Satellite Facilities-2-①)101, VisionTech Bdong, 263, Gaejwa-ro,
Geumjeong-gu, Busan, Republic of Korea

Date of Initial Accreditation : September 16, 1994

Validity of Accreditation : January 03, 2023 ~ January 02, 2027

Scope of Accreditation : Attached Annex

Date of issue : December 12, 2022

This testing laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to Joint ISO-ILAC-IAF Communiqué).



Sanghoon Lee

Head

Korea Laboratory Accreditation Scheme

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 0414:2021	Textile and Related Products	Test method for yarn number of cotton yarn	$\geq 0.1 \text{ Ne}$	BS	N
KS K 0415:2017	Textile and Related Products	Textiles — Woven fabrics — Construction — Methods of analysis — Part 5 : Determination of linear density of yarn removed from fabric	$\geq 0.1 \text{ Ne}, \geq 0.1 \text{ Nm}, \geq 0.1 \text{ denier}, \geq 0.1 \text{ tex}$	BS	N
KS K ISO 2060:1994	Textile and Related Products	Textiles — Yarn from packages — Determination of linear density (mass per unit length) by the skein method	$\geq 0.1 \text{ Ne}, \geq 0.1 \text{ Nm}, \geq 0.1 \text{ denier}, \geq 0.1 \text{ tex}$	BS	N
KS K 0420:2019	Textile and Related Products	Test method for fineness of stretch filament yarn	$\geq 0.1 \text{ tex}, \geq 0.1 \text{ denier}$	BS	N
KS K 0425:2018	Textile and Related Products	Test method for yarn number of linen yarn	$\geq 0.1 \text{ NeL}$	BS	N
JIS L 1013:2021	Textile and Related Products	Testing methods for man-made filament yarn	-	BS	N
		8.3 linear density	$\geq 0.1 \text{ tex}$		
		8.5 Breaking strength & elongation	$\geq 0.01 \text{ N}, \geq 0.1 \%$		
		8.13 Twist	$\geq 0.1 \text{ T/m}$		
JIS L 1096:2010/AMENDMENT 1:2020	Textile and Related Products	Testing methods for woven and knitted fabrics(Amendment 1)	-	BS	N
		8.1 Weaves	-		
		8.2 Width	$\geq 1 \text{ mm}$		
		8.3 Mass per unit area	$\geq 0.1 \text{ g/m}^2$		
		8.4 Thickness	(0 ~ 40) mm		
		8.6 Fabric count	$\geq 1 \text{ thread}$		
		8.9.1 linear density	$\geq 0.1 \text{ tex}$		
		8.9.2 Twist	$\geq 0.1 \text{ T/m}$		
		8.14 Breaking strength & elongation	(0.1 ~ 5 000) N, $\geq 0.1 \%$		
		8.17 Tear strength	(0.1 ~ 5 000) N		
8.18 Bursting strength	(0.1 ~ 2 000) kPa				

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		8.23 Seam strength	0.1 mm, ≥ (0.1 ~ 5 000) N		
		8.26.1 Air permeability	(0.1 ~ 10 000) mm/s		
		8.27.1 Thermal transmittance(constant temp.)	(0.1 ~ 100) %		
		8.39 Dimensional change	(-100 ~ +100) %		
JIS L 1095:2010	Textile and Related Products	Testing methods for spun yarn	-	BS	N
		7.2 Twist	≥ 0.1 T/m		
		8.5 Breaking strength & elongation	(0.1 ~ 5 000) N, ≥ 0.1 %		
		9.4 Tex.Yarn number	≥ 0.1 tex		
		9.6 Lea breaking & elongation	(0.1 ~ 5 000) N, ≥ 0.1 %		
ASTM D 861 - 07	Textile and Related Products	Standard practice for use of the tex system to designate linear density of fibers, yarn intermediates and yarns	-	BS	N
ASTM D 1577 - 07	Textile and Related Products	Standard Test Methods for Linear Density of Textile Fibers	≥ 0.1 tex	BS	N
ASTM D1907/1907M-1 2	Textile and Related Products	Standard Test Method for Linear Density of Yarn (Yarn Number) by the Skein Method	≥ 0.1 Nec, ≥ 0.1 Nm, ≥ 0.1 denier, ≥ 0.1 tex	BS	N
ISO 1139:1973	Textile and Related Products	Textiles-Designation of yarns	-	BS	N
ISO 1144:2016	Textile and Related Products	Textiles-Universal system for designating linear density (Tex system)	-	BS	N
ISO 7211-5:2020	Textile and Related Products	Textiles - Methods for analysis of woven fabrics construction - Part 5: Determination of linear density of yarn removed from fabric	≥ 0.1 tex	BS	N
ISO 2060:1994	Textile and Related Products	Textiles - Yarn from packages - Determination of linear density (mass per unit length) by the skein method	≥ 0.1 tex	BS	N

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BS 5421 part 2:1978	Textile and Related Products	Methods of test for elastomeric threads. Polyurethane thread (Elastane yarn)	-	BS	N
		4.2 Determination of mass per unit length	≥ 0.000 1 g		
		5.3 Determination of breaking load, tenacity and elongation at break	(0.1 ~ 1 000) N, ≥ 0.1 %		
KS K 0512:2017	Textile and Related Products	Test method for determination of number of wales and courses per unit length in knitted fabrics	≥ 1 loop	BS	N
ASTM D3775-17	Textile and Related Products	Standard Test Method for End (Warp) and Pick (Filling) Count of Woven Fabrics	≥ 1 thread	BS	N
KS K ISO 3572:1976	Textile and Related Products	Textiles — Weaves — Definitions of general terms and basic weaves	-	BS	N
ISO 7211 part 2:1984	Textile and Related Products	Textiles-Woven fabrics-Construction-Methods of analysis-Part 2 : Determination of number of threads per unit length	≥ 1 thread	BS	N
BS EN 1049 part 2:1994	Textile and Related Products	Textiles. Woven fabrics. Construction. Methods of analysis. Determination of number of threads per unit length	≥ 1 thread	BS	N
ISO 7211 part 1:1984	Textile and Related Products	Textiles-Woven fabrics-Construction-Methods of analysis-Part 1 : Methods for the presentation of a weave diagram and plans for drafting, denting and lifting	Weave diagram	BS	N
ISO 3572:1976	Textile and Related Products	Textiles-Weaves-Definitions of general terms and basic weaves	Weave construction	BS	N
ASTM D3774-18	Textile and Related Products	Standard Test Method for Width of Textile Fabric	≥ 1 mm	BS	N
BS EN 1773:1997	Textile and Related Products	Textiles. Fabrics. Determination of width and length	≥ 1 mm	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 3716:2021	Textile and Related Products	Polyester ropes	-	BS	N
		6.3 Weight	≥ 0.001 g		
		6.4 Length	≥ 0.1 cm		
KS K 3717:2022	Textile and Related Products	Nylon ropes	-	BS	N
		5.3 Weight	≥ 0.001 g		
		5.4 Length	≥ 0.1 cm		
KS K 3718:2019	Textile and Related Products	Vinylon ropes	-	BS	N
		7.3 Weight	≥ 0.001 g		
		7.4 Length	≥ 0.1 cm		
		Annex determination of rope diameter	≥ 0.01 mm		
KS K 6401:2022	Textile and Related Products	Polyethylene ropes	-	BS	N
		6.3 Weight	≥ 0.001 g		
		6.4 Length	≥ 0.1 cm		
		Annex determination of rope diameter	≥ 0.01 mm		
KS K 6405:2022	Textile and Related Products	Polypropylene ropes	-	BS	N
		6.3 Weight	≥ 0.001 g		
		6.4 Length	≥ 0.1 cm		
		Annex determination of rope diameter	≥ 0.01 mm		
KS K 0514:2017	Textile and Related Products	Measuring method for weight of cloth : Small specimen method	≥ 0.001 g	BS	N
KS K 0515:2017	Textile and Related Products	Measuring method for weight of cloth : Full width specimen method	≥ 0.001 g	BS	N
KS K 4001:2021	Textile and Related Products	Manila and sisal ropes	-	BS	N
		6.3 Weight	≥ 0.001 g		
ASTM D 3776 /D 3776M-20	Textile and Related Products	Standard test methods for mass per unit area (weight) of fabric	≥ 0.1 g/m ²	BS	N

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ISO 3801:1977	Textile and Related Products	Textiles-Woven fabrics-Determination of mass per unit length and mass per unit area	$\geq 0.1 \text{ g/m}^2$	BS	N
BS 2471:2005	Textile and Related Products	Textiles. Woven fabrics. Determination of mass per unit length and mass per unit area.	$\geq 0.1 \text{ g/m}^2$	BS	N
BS 2866:1984	Textile and Related Products	Methods for determination of the mass of warp and weft per unit area of fabric	$\geq 0.1 \text{ g/m}^2$	BS	N
TWC TM 13:2009	Textile and Related Products	MASS PER UNIT AREA(FABRICS WOOL FILLINGS OR PILLOWS)	$\geq 0.1 \text{ g/m}^2$	BS	N
KS K ISO 5084:1996	Textile and Related Products	Textiles — Determination of thickness of textiles and textile products	(0.1 ~ 40) mm	BS	N
KS K 0818:2017	Textile and Related Products	Test method for carpet	-	BS	N
		7.4 Thickness	(0.1 ~ 40) mm		
ASTM D 1777 - 96(2019)	Textile and Related Products	Standard test method for thickness of textile materials	(0.1 ~ 40) mm	BS	N
ISO 5084:1996	Textile and Related Products	Textiles-Determination of thickness of textiles and textile products	(0.1 ~ 40) mm	BS	N
KS K ISO 2:1973	Textile and Related Products	Textiles — Designation of the direction of twist in yarns and related products	Twist direction (S, Z)	BS	N
KS K 0418:2019	Textile and Related Products	Test method for twist number and twist contraction of plied yarns	$\geq 0.1 \text{ turns/m}$, $\geq 0.1 \%$	BS	N
KS K ISO 2061:2015	Textile and Related Products	Textiles — Determination of twist in yarns — Direct counting method	$\geq 0.1 \text{ turns/m}$	BS	N
KS K 0437:2019	Textile and Related Products	Test method for permissible maximum twist of filament yarn	$\geq 1 \text{ turns/m}$	BS	N
KS K ISO 17202:2002	Textile and Related Products	Textiles — Determination of twist in single spun yarns — Untwist/retwist method	$\geq 0.1 \text{ turns/m}$	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM D1422/D1422M - 13	Textile and Related Products	Standard Test Method for Twist in Single Spun Yarns by the Untwist-Retwist Method	≥ 0.1 turns/m	BS	N
ASTM D1423/D1423M - 16	Textile and Related Products	Standard Test Method for Twist in Yarns by Direct-Counting	≥ 0.1 turns/m	BS	N
ISO 2061:2015	Textile and Related Products	Textiles - Determination of twist in yarns - Direct counting method	≥ 0.1 turns/m	BS	N
KS K 0407:2019	Textile and Related Products	Test method for blended cotton yarn	-	BS	N
		6.5 Breaking force and elongation of single yarn	(0.1 ~ 1 000) N, ≥ 0.01 %		
KS K 0411:2017	Textile and Related Products	Test method for breaking strength and elongation of textile webbing, tape and braided	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
KS K 0412:2022	Textile and Related Products	Test method for tensile strength and elongation of filament yarn	(1 ~ 1 000) N, ≥ 1 %	BS	N
KS K ISO 6939:1988	Textile and Related Products	Textiles — Yarns from packages — Method of test for breaking strength of yarn by the skein method	(1 ~ 1 000) N	BS	N
KS K 0475:2018	Textile and Related Products	Test method for tensile strength and elongation of spun yarns	(1 ~ 500) cN, ≥ 0.1 %	BS	N
KS K 0509:2018	Textile and Related Products	Test method for spun rayon and blended spun rayon yarns	-	BS	N
		6.4 Breaking force and elongation of single yarn	(1 ~ 1 000) cN, ≥ 0.1 %		
KS K 0520:2021	Textile and Related Products	Textiles — Tensile properties of fabrics — Determination of maximum force and elongation at maximum force using the grab method	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 0642:2022	Textile and Related Products	Test methods for woven and knitted fabrics	-	BS	N
		8.14 Tensile strength & elongation	(0.1 ~ 5 000) N, ≥ 0.1 %		
		8.17 Tearing strength	(0.1 ~ 5 000) N		
		8.19 Abrasion / Color change after abrasion	≥ 1 cycle, (1 ~ 5) grade (0.5 step rating)		
		8.21.7 G method(Drape coefficient)	(0.001 ~ 1.000)		
		8.28 Thermal transmission	≥ 0.1 %		
		8.40 Dimensional change	(-100 ~ +100) %		
KS K 0821:2017	Textile and Related Products	Test method for fusible interlining fabrics	-	BS	N
		7.9 Tensile strength and elongation	(0.1 ~ 5 000) N, ≥ 0.1 %		
		7.10 Tearing strength	(0.1 ~ 5 000) N		
KS K 3700:2017	Textile and Related Products	Polyester spun yarn	-	BS	N
		5.6 Tensile strength	(0.1 ~ 1 000) N		
KS K 3711:2018	Textile and Related Products	Silk sewing thread	-	BS	N
		6.6 Tensile strength	(0.1 ~ 1 000) N		
JIS L 1086:2013/ AMENDMENT1 :2020	Textile and Related Products	Testing methods for fusible interlining fabrics and laminated fabrics(Amendment 1)	-	BS	N
		7.9 Dimensional Stability	(-100 ~ +100) %		
ASTM D 1578 - 93	Textile and Related Products	Standard Test Method for Breaking Strength of Yarn in Skein Form	(0.1 ~ 1 000) N	BS	N
ASTM D 2256 / D 2256M - 21	Textile and Related Products	Standard Test Method for Tensile Properties of Yarns by the Single-Strand Method	(0.1 ~ 1 000) N	BS	N
ASTM D 4846 - 96	Textile and Related Products	Standard Test Method for Resistance to Unsnapping of Snap Fasteners	(0.1 ~ 1 000) N	BS	N
ASTM D 5170 - 98	Textile and Related Products	Standard Test Method for Peel Strength ("T" Method) of Hook and Loop Touch Fasteners	(0.1 ~ 5 000) N	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM D 5034 - 21	Textile and Related Products	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
ASTM D 5035 - 11(2019)	Textile and Related Products	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
BS 1932-2:1989	Textile and Related Products	Testing the strength of yarns and threads from packages Methods for determination of knot strength and loop strength	(0.1 ~ 5 000) N	BS	N
BS 3424-21:1993	Textile and Related Products	Testing coated fabrics Method 24. Method for determination of elongation and tension set	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
ISO 1421:2016(E)	Textile and Related Products	Rubber-or plastics-coated fabrics-Determination of tensile strength and elongation at break	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
ISO 1805:2006(E)	Textile and Related Products	Fishing nets-Determination of breaking force and knot breaking force of netting yarns	(0.1 ~ 1 000) N	BS	N
ISO 2062:2009(E)	Textile and Related Products	Textiles-Yarns from packages-Determination of single-end breaking force and elongation at break using constant rate of extension (CRE) tester	(0.1 ~ 1 000) N, ≥ 0.01 %	BS	N
ISO 9073-3:1989 (E)	Textile and Related Products	Textiles-Test methods for nonwovens-Part 3 : Determination of tensile strength and elongation	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
ISO 13934 -1:2013(E)	Textile and Related Products	Textiles-Tensile properties of fabrics-Part 1 : Determination of maximum force and elongation at maximum force using the strip method	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
ISO 13934-2:2014(E)	Textile and Related Products	Textiles-Tensile properties of fabrics-Part 2 : Determination of maximum force using the grab method	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 13937-1:2000	Textile and Related Products	Textiles — Tear properties of fabrics — Part 1 : Determination of tear force using ballistic pendulum method(Elmendorf)	(0.1 ~ 300) N	BS	N
KS K 0536:2019	Textile and Related Products	Test method for tearing strength of cloth: Tongue method	(0.1 ~ 5 000) N	BS	N
KS K 0537:2019	Textile and Related Products	Test method for tearing strength of cloth: Trapezoid method	(0.1 ~ 5 000) N	BS	N
ASTM D 1424 - 21	Textile and Related Products	Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf -Type) Apparatus	(0.1 ~ 300) N	BS	N
ASTM D 2261 - 13(2017)	Textile and Related Products	Standard Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)	(0.1 ~ 5 000) N	BS	N
BS EN ISO 13937-1:2000	Textile and Related Products	Textiles. Tear properties of fabrics. Determination of tear force using ballistic pendulum method (Elmendorf).	(0.1 ~ 300) N	BS	N
BS EN ISO 13937-2:2000	Textile and Related Products	Textiles. Tear properties of fabrics. Determination of tear force of trouser-shaped test specimens (single tear method).	(0.1 ~ 5 000) N	BS	N
BS EN ISO 13937-3:2000	Textile and Related Products	Textiles. Tear properties of fabrics. Determination of tear force of wing-shaped test specimens (single tear method).	(0.1 ~ 5 000) N	BS	N
BS EN ISO 13937-4:2000	Textile and Related Products	Textiles. Tear properties of fabrics. Determination of tear force of tongue-shaped test specimens (double tear test).	(0.1 ~ 5 000) N	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 4674-1:2016	Textile and Related Products	Rubber- or plastics-coated fabrics -- Determination of tear resistance -- Part 1: Constant rate of tear methods	(0.1 ~ 5 000) N	BS	N
ISO 4674-2:2021	Textile and Related Products	Rubber-or plastic-coated fabrics- Determination of tear resistance Part 2: Ballistic pendulum method	(0.1 ~ 300) N	BS	N
ISO 9073-4:2021	Textile and Related Products	Nonwovens -- Test methods -- Part 4: Determination of tear resistance by the trapezoid procedure	(0.1 ~ 5 000) N	BS	N
ISO 13937-1:2000 / cor.1:2004	Textile and Related Products	Textiles-Tear properties of fabrics Part 1 : Determination of tear force using ballistic pendulum method(Elmendorf)	(0.1 ~ 300) N	BS	N
ISO 13937-2:2000(E)	Textile and Related Products	Textiles-Tear properties of fabrics Part 2 : Determination of tear force of trouser- shaped test specimens(Single tear method)	(0.1 ~ 5 000) N	BS	N
ISO 13937-3:2000(E)	Textile and Related Products	Textiles-Tear properties of fabrics Part 3 : Determination of tear force of wing-shaped test specimens(Single tear method)	(0.1 ~ 5 000) N	BS	N
ISO 13937-4:2000(E)	Textile and Related Products	Textiles-Tear properties of fabrics Part 4 : Determination of tear force of tongue- shaped test specimens(Double tear test)	(0.1 ~ 5 000) N	BS	N
TWC TM 172:2009	Textile and Related Products	TEAR STRENGTH (WOVEN FABRIC)	(0.1 ~ 300) N	BS	N
KS K 0350:2017	Textile and Related Products	Test method for bursting strength of cloth : Ball bursting method	(0.1 ~ 5 000) N	BS	N
KS K ISO 13938-1:1999	Textile and Related Products	Textiles — Bursting properties of fabrics — Part 1 : Hydraulic method for determination of bursting strength and bursting distention	(0.1 ~ 2 000) kPa	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 13938-1:2019	Textile and Related Products	Textiles-Bursting properties of fabrics Part 1 : Hydraulic method for determination of busting strength and bursting distension	(0.1 ~ 2 000) kPa	BS	N
TWC TM 29:2009	Textile and Related Products	BURST STRENGTH	(0.1 ~ 2 000) kPa	BS	N
KS K 0540:2017	Textile and Related Products	Test method for abrasion resistance of textile fabrics : Inflated diaphragm method	≥ 1 cycle	BS	N
ASTM D 3885 - 07a(2019)	Textile and Related Products	Standard Test Method for Abrasion Resistance of Textile Fabrics (Flexing and Abrasion Method)	≥ 1 cycle	BS	N
ASTM D 3886 - 99(2015)	Textile and Related Products	Standard Test Method for Abrasion Resistance of Textile Fabrics (Inflated Diaphragm Apparatus)	≥ 1 cycle	BS	N
ASTM D 4966 - 12(2016)	Textile and Related Products	Standard Test Method for Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method)	≥ 1 cycle	BS	N
KS K 0531:2022	Textile and Related Products	Test method for laminated fabrics	-	BS	N
		6.10 Adhesion	(0.1 ~ 5 000) N		
KS K 0533:2019	Textile and Related Products	Test method for adhesion of coated fabric	(0.1 ~ 5 000) N	BS	N
ISO 2411:2017(E)	Textile and Related Products	Rubber-or plastics-coated fabrics-Determination of coating adhesion	(0.1 ~ 5 000) N	BS	N
KS K ISO 13935-2:2014	Textile and Related Products	Textiles — Seam tensile properties of fabrics and made-up textile articles — Part 2 : Determination of maximum force to seam rupture using the grab method	(0.1 ~ 5 000) N	BS	N
KS K ISO 13936-2:2004	Textile and Related Products	Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 2 : Fixed load method	≥ 0.5 mm	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 13936-1:2004	Textile and Related Products	Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 1 : Fixed seam opening method	(0.1 ~ 5 000) N	BS	N
JIS L 1093:2011	Textile and Related Products	Test methods for seam strength of textiles	(0.1 ~ 5 000) N	BS	N
ISO 13935-1:2014(E)	Textile and Related Products	Textiles-Seam tensile properties of fabrics and made-up textile articles-Part 1 : Determination of maximum force to seam rupture using the strip method	(0.1 ~ 5 000) N	BS	N
ISO 13935-2:2014(E)	Textile and Related Products	Textiles-Seam tensile properties of fabrics and made-up textile articles-Part 2 : Determination of maximum force to seam rupture using the grab method	(0.1 ~ 5 000) N	BS	N
KS K 0499:2018	Textile and Related Products	Testing method for pilling resistance of textile fabrics : Random tumble pilling tester method	(1 ~ 5) grade (half step rating)	BS	N
KS K 0501:2018	Textile and Related Products	Test method for pilling resistance of textile fabrics : Brush and sponge method	(1 ~ 5) grade (half step rating)	BS	N
KS K ISO 12945-1:2000	Textile and Related Products	Textiles — Determination of fabric propensity to surface fuzzing and to pilling — Part 1: Pilling box method	(1 ~ 5) grade (half step rating)	BS	N
KS K ISO 12945-2:2000	Textile and Related Products	Textiles — Determination of fabric propensity to surface fuzzing and to pilling — Part 2: Modified Martindale method	(1 ~ 5) grade (half step rating)	BS	N
JIS L 1076:2012	Textile and Related Products	Testing methods for pilling of woven fabrics and knitted fabrics	(1 ~ 5) grade N, L, M, H	BS	N
ASTM D 3511/D 3511M-16	Textile and Related Products	Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics : Brush Pilling Tester	(1 ~ 5) grade (half step rating)	BS	N

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ASTM D 3512/D 3512M-16	Textile and Related Products	Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics : Random Tumble Pilling Tester	(1 ~ 5) grade (half step rating)	BS	N
ASTM D 4970/D 4970M-16	Textile and Related Products	Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics : Martindale Tester	(1 ~ 5) grade (half step rating)	BS	N
TWC TM 152:2009	Textile and Related Products	FABRIC PILLING (ICI PILLING BOX METHOD)	(1 ~ 5) grade	BS	N
TWC TM 196:2009	Textile and Related Products	PILLING OF WOOL FABRICS MARTINDALE MACHINE METHOD	(1 ~ 5) grade	BS	N
KS K ISO 9237:1995	Textile and Related Products	Textiles — Determination of the permeability of fabrics to air	(0.1 ~ 10 000) mm/s	BS	N
ASTM D 737-18	Textile and Related Products	Standard Test Method for Air Permeability of Textile Fabrics	(0.01 ~ 1 000) cm ³ /cm ² /s	BS	N
BS EN ISO 9237:1995	Textile and Related Products	Textiles-Determination of the permeability of fabrics to air	(0.1 ~ 10 000) mm/s	BS	N
BS 3424 part 16:1995	Textile and Related Products	Testing coated fabrics.	-	BS	N
		Part 16. Method 18. Determination of air permeability	(0.1 ~ 10 000) mm/s		
ISO 9237:1995(E)	Textile and Related Products	Textiles-Determination of the permeability of fabrics to air	(0.1 ~ 10 000) mm/s	BS	N
KS K 0466:2021	Textile and Related Products	Test method for thermal resistance of batting systems using a hot plate	≥ 0.01 clo	BS	N
KS K 0560:2018	Textile and Related Products	Measuring method for warmth keeping property of cloth	(0.1 ~ 100) %	BS	N
ASTM D 1518-14	Textile and Related Products	Standard Test Method for Thermal Resistance of Batting Systems Using a Hot Plate	≥ 0.01 clo	BS	N
KS K ISO 16549:2004	Textile and Related Products	Textiles — Unevenness of textile strands — Capacitance method	≥ 0.1 %	BS	N

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01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM D 1425/D 1425M-14	Textile and Related Products	Standard Test Method for Evenness of Textile Strands Using Capacitance Testing Equipment	CV : $\geq 0.1\%$, U : $\geq 0.1\%$	BS	N
KS K ISO 811:2018	Textile and Related Products	Textile — Determination of resistance to water penetration — Hydrostatic pressure test	(0.1 ~ 2 000) cmH ₂ O	BS	N
KS K 0592:2022	Textile and Related Products	Test method for water resistance of coated fabrics: High range, hydrostatic pressure method	(0.1 ~ 10 297) kPa	BS	N
KS K ISO 22958:2005	Textile and Related Products	Textiles — Water resistance — Rain tests: exposure to a horizontal water spray	≥ 0 g	BS	N
ISO 811-2018	Textile and Related Products	Textile fabrics-Determination of resistance to water penetration-Hydrostatic pressure test	(0.1 ~ 2 000) cmH ₂ O	BS	N
KS K ISO 4920:2012	Textile and Related Products	Textile fabrics — Determination of resistance to surface wetting(spray test)	(0 ~ 5) grade (half step rating)	BS	N
AATCC TM22-2017	Textile and Related Products	Test Method for Water Repellency : Spray Test	0, 50, 70, 80, 90, 100	BS	N
BS EN ISO 4920:2012	Textile and Related Products	Textile fabrics — Determination of resistance to surface wetting (spray test)	(1 ~ 5) grade (half step rating)	BS	N
ISO 4920:2012(E)	Textile and Related Products	Textile fabrics — Determination of resistance to surface wetting (spray test)	(1 ~ 5) grade (half step rating)	BS	N
JIS L 1092:2009	Textile and Related Products	Testing methods for water resistance of textiles	-	BS	N
		b) Water repellency(spray test)	(1 ~ 5) grade (half step rating)		
		c) Rain test	≥ 0.01 g		
KS K 0423:2019	Textile and Related Products	Test method for dimensional change of spun yarn	(-100 ~ +100) %	BS	N

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01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 5077:2007	Textile and Related Products	Textiles — Determination of dimensional change in washing and drying	(-100 ~ +100) %	BS	N
KS K ISO 6330:2012	Textile and Related Products	Textiles — Domestic washing and drying procedures for textile testing	-	BS	N
KS K 0558:2022	Textile and Related Products	Test method for dimensional change percentage by ironing of woven and knitted fabrics	(-100 ~ +100) %	BS	N
KS K 0802:2022	Textile and Related Products	Test method for dimensional change in laundering of socks	(-100 ~ +100) %	BS	N
AATCC TM135-2018	Textile and Related Products	Test Method for Dimensional Changes of Fabrics after Home Laundering	(-100 ~ +100) %	BS	N
AATCC TM150-2018	Textile and Related Products	Test Method for Dimensional Changes of Garments after Home Laundering	(-100 ~ +100) %	BS	N
AATCC TM158-2016	Textile and Related Products	Test Method for Dimensional Changes on Drycleaning in Perchloroethylene : Machine method	(-100 ~ +100) %	BS	N
BS EN ISO 6330:2012	Textile and Related Products	Textiles-Domestic washing and drying procedures for textile testing	-	BS	N
ISO 3175-1:2017(E)	Textile and Related Products	Textiles-Professional care, drycleaning and wetcleaning of fabrics and garments-Part 1 : Assessment of performance after cleaning and finishing	-	BS	N
KS K ISO 3175-1:2017	Textile and Related Products	Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 1 : Assessment of performance after cleaning and finishing	-	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 3759:2011(E)	Textile and Related Products	Textiles-Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change	-	BS	N
ISO 5077:2007(E)	Textile and Related Products	Textiles-Determination of dimensional change in washing and drying	(-100 ~ +100) %	BS	N
ISO 6330:2021(E)	Textile and Related Products	Textiles-Domestic washing and drying procedures for textile testing	-	BS	N
TWC TM 31-2009	Textile and Related Products	DIMENSIONAL STABILITY OF WOOL TEXTILES TO LAUNDERING	(-100 ~ +100) %	BS	N
JIS L 1057:2012	Textile and Related Products	Testing methods for dimensional change by ironing of woven and knitted fabrics	(-100 ~ +100) %	BS	N
KS K 0594:2021	Textile and Related Products	Testing method for water vapour permeability of textiles	$\geq 0.1 \text{ g}/(\text{m}^2 \cdot \text{h})$	BS	N
JIS L 1099:2021	Textile and Related Products	Testing methods for water vapour permeability of textiles	$\geq 0.1 \text{ g}/(\text{m}^2 \cdot \text{h})$	BS	N
ISO 2528:2017(E)	Textile and Related Products	Sheet materials-Determination of water vapour transmission rate (WVTR)- Gravimetric (dish) method	$\geq 0.1 \text{ g}/(\text{m}^2 \cdot \text{h})$	BS	N
ISO 11092:2014(E)	Textile and Related Products	Textiles-Physiological effects-Measurement of thermal and water-Vapour resistance under steady-state conditions (sweating guarded-hotplate test)	$\geq 0.1 \text{ m}^2 \cdot \text{Pa}/\text{W}$	BS	N
ASTM E 96/E96M-16	Textile and Related Products	Standard Test Methods for Water Vapor Transmission of Materials	$\geq 0.1 \text{ g}/(\text{m}^2 \cdot \text{h})$	BS	N
KS K 0585:2019	Textile and Related Products	Test method for flammability of textiles: Vertical method	$\geq 1 \text{ s}$, (0 ~ 30) cm	BS	N
ASTM D 1230-17	Textile and Related Products	Standard Test Method for Flammability of Apparel Textiles	$\geq 0.1 \text{ s}$	BS	N

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01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
CS-191-53(16 CFR 1610)-2020	Textile and Related Products	STANDARD FOR THE FLAMMABILITY OF CLOTHING TEXTILES	≥ 0.1 s	BS	N
KS K 0760:2019	Textile and Related Products	Test method for resistance of coated cloth to blocking	(1 ~ 4) grade 1 step rating	BS	N
ASTM D 751 - 19	Textile and Related Products	Standard Test Methods for Coated Fabrics	Scale 1, 2, 3	BS	N
KS K 0561:2016	Textile and Related Products	Test method for snag of woven and knitted fabrics	(1 ~ 5) grade 0.5 step rating	BS	N
ASTM D 3939 / D 3939M - 13(2017)	Textile and Related Products	Standard Test Method for Snagging Resistance of Fabrics (Mace)	(1 ~ 5) grade 0.5 step rating	BS	N
BS EN 16732:2015	Textile and Related Products	Slide fasteners (zips). Specification.	(0.1 ~ 5 000) N	BS	N
ASTM D 2061 - 07	Textile and Related Products	Standard Test Methods for Strength Tests for Zippers	(0.1 ~ 5 000) N	BS	N
KS K 0327:2021	Textile and Related Products	Test method for man-made staple fibres	-	BS	N
		6.4 Fiber length	-		
		6.4.1.3 C method	≥ 0.1 mm		
KS K 0329:2017	Textile and Related Products	Test method for synthetic fiber wadding	-	BS	N
		6.3 Compression elasticity	(0.1 ~ 100) %		
KS K ISO 14419:2010	Textile and Related Products	Textiles — Oil repellency — Hydrocarbon resistance test	(0 ~ 8) grade 0.5 step rating	BS	N
KS K 1307:2018	Textile and Related Products	Rubber thread covered with nylon	-	BS	N
		7.3 Tensile strength and elongation	(0.1 ~ 5 000) N, ≥ 0.1 %		
		7.4 Residual extension	≥ 0.1 %		
		7.5 Content of rubber thread	(0 ~ 100) %		
		7.12 Number of coil	≥ 1 coil/m		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 1308:2021	Textile and Related Products	Rubber thread braid	-	BS	N
		6.8 Tensile strength and elongation	(0.1 ~ 5 000) N, $\geq 0.1 \%$		
		6.9 Residual extension	$\geq 0.1 \%$		
		6.10 Aging test	(0.1 ~ 5 000) N, $\geq 0.1 \%$		
KS K 1309:2018	Textile and Related Products	Touch and close fastener	-	BS	N
		7.5 Adhesion strength	(0.1 ~ 5 000) N		
		7.6 Maintenance of Adhesion strength	(0 ~ 100) %		
KS K 2617:2016	Textile and Related Products	Cotton wadding	-	BS	N
		6.6 Compression elasticity	(0.1 ~ 100) %		
KS K 0521:2017	Textile and Related Products	Textiles — Tensile properties of fabrics — Determination of maximum force and elongation at maximum force using the strip method	(0.1 ~ 1 000) N, $\geq 0.1 \%$	BS	N
KS K ISO 3759:2011	Textile and Related Products	Textiles — Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change	(-100 ~ +100) %	BS	N
KS K ISO 7771:1985	Textile and Related Products	Textiles — Determination of dimensional changes of fabrics induced by cold-water immersion	(-100 ~ +100) %	BS	N
GB/T 4802.2:2008	Textile and Related Products	Textiles-Determination of fabric propensity to surface fuzzing and to pilling-Part 2: Modified Martindale method	(1 ~ 5) grade 0.5 step rating	BS	N
GB/T 4802.3:2008	Textile and Related Products	Textiles-Determination of fabric propensity to surface fuzzing and to pilling-Part 3: Pilling box method	(1 ~ 5) grade 0.5 step rating	BS	N
ASTM D 3786 /D 3786M-18	Textile and Related Products	Standard test method for hydraulic bursting strength of textile fabrics-Diaphragm bursting strength tester method	(0.1 ~ 2 000) kPa	BS	N

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01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
16 CFR 1615:2022	Textile and Related Products	STANDARD FOR THE FLAMMABILITY OF CHILDREN'S SLEEPWEAR: SIZES 0 THROUGH 6X (FF 3-71)	≥ 0.1 cm	BS	N
16 CFR 1616:2022	Textile and Related Products	STANDARD FOR THE FLAMMABILITY OF CHILDREN'S SLEEPWEAR: SIZES 7 THROUGH 14 (FF 5-74)	≥ 0.1 cm	BS	N
ASTM D 2591 - 07(2020)	Textile and Related Products	Standard Test Method for Linear Density of Elastomeric Yarns (Short Length Specimens)	≥ 0.1 Denier, ≥ 0.1 Tex	BS	N
ASTM D 1244 - 98	Textile and Related Products	Standard Practice for Designation of Yarn Construction	Designation of Yarn Construction	BS	N
BS ISO 7211-5:2020	Textile and Related Products	Textiles. Methods for analysis of Woven fabrics Construction. Determination of linear density of yarn removed from fabric	≥ 0.1 Tex	BS	N
BS EN ISO 2060:1995	Textile and Related Products	Textiles. Yarn from packages. Determination of linear density (mass per unit length) by the skein method	≥ 0.1 Tex	BS	N
DIN EN ISO 2060:1995	Textile and Related Products	Textiles - Yarn from packages - Determination of linear density (mass per unit length) by the skein method	≥ 0.1 Tex	BS	N
ISO 2286-1:2016(E)	Textile and Related Products	Rubber- or plastics-coated fabrics - Determination of roll characteristics - Part 1: Methods for determination of length, width and net mass	≥ 1 mm, ≥ 0.1 g	BS	N
ISO 22198:2006	Textile and Related Products	Textiles - Fabrics - Determination of width and length	≥ 1 mm	BS	N
DIN EN 1773:1997	Textile and Related Products	Textiles - Fabrics - Determination of width and length	≥ 1 mm	BS	N
BS 5523:1977	Textile and Related Products	Glossary of terms for textiles - weaves - definitions of general terms and basic weaves	Weave construction	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS 2861:1984	Textile and Related Products	Methods for presentation of a weave diagram and plans for drafting, denting and lifting	Weave diagram	BS	N
ISO 7211-4:1984	Textile and Related Products	Textiles - Woven fabrics - Construction - Methods of analysis - Part 4: Determination of twist in yarn removed from fabric	≥ 0.1 TPM	BS	N
BS EN ISO 2061:2015	Textile and Related Products	Textiles-Determination of twist in yarns- Direct counting method	≥ 0.1 TPM	BS	N
DIN EN ISO 2061:2015	Textile and Related Products	Textiles - Determination of twist in yarns - Direct counting method	≥ 0.1 TPM	BS	N
ISO 2286-2:2016	Textile and Related Products	Rubber- or plastics-coated fabrics - Determination of roll characteristics - Part 2: Methods for determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate	≥ 0.1 g/m ²	BS	N
ISO 9073-1:1989	Textile and Related Products	Textiles - Test methods for nonwovens - Part 1: Determination of mass per unit area	≥ 0.1 g/m ²	BS	N
BS EN 12127:1998	Textile and Related Products	Textiles - Fabrics - Determination of mass per unit area using small samples	≥ 0.1 g/m ²	BS	N
DIN EN 12127:1997	Textile and Related Products	Textiles - Fabrics - Determination of mass per unit area using small samples	≥ 0.1 g/m ²	BS	N
BS EN ISO 5084:1997	Textile and Related Products	Textiles - Determination of thickness of textiles and textile products	0.01 mm	BS	N
DIN EN ISO 5084:1996	Textile and Related Products	Textiles - Determination of thickness of textiles and textile products	(0.1~ 40) mm	BS	N
BS EN ISO 13934-1:2013	Textile and Related Products	Textiles. Tensile properties of fabrics. Determination of maximum force and elongation at maximum force using the strip method.	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N

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01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS EN ISO 13934-2:2014	Textile and Related Products	Textiles. Tensile properties of fabrics. Determination of maximum force using the grab method.	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
DIN EN ISO 13934-1:2013	Textile and Related Products	Textiles - Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
DIN EN ISO 13934-2:2014	Textile and Related Products	Textiles - Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
BS EN ISO 2062:2009	Textile and Related Products	Textiles - Yarns from packages - Determination of single-end breaking force and elongation at break using constant rate of extension	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
DIN EN ISO 2062:2010	Textile and Related Products	Textiles - Yarns from packages - Determination of single-end breaking force and elongation at break using constant rate of extension	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
BS EN ISO 1421:2016	Textile and Related Products	Rubber-or plastics-coated fabrics. Determination of tensile strength and elongation at break	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
DIN EN ISO 1421:2017	Textile and Related Products	Rubber- or plastics-coated fabrics - Determination of tensile strength and elongation at break	(0.1 ~ 5 000) N, ≥ 0.1 %	BS	N
TWC TM 4:2009	Textile and Related Products	BREAKING STRENGTH	(0.1 ~ 5 000) N	BS	N
BS EN ISO 4674-1:2016	Textile and Related Products	Rubber-or plastics-coated fabrics. Determination of tear resistance. Constant rate of tear methods	(0.1 ~ 5 000) N	BS	N
DIN EN ISO 13937-1:2000	Textile and Related Products	Textiles - Tear properties of fabrics - Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)	(0.1 ~ 300) N	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
DIN EN ISO 13937-2:2000	Textile and Related Products	Textiles - Tear properties of fabrics - Part 2: Determination of tear force of trouser-shaped test specimens (single tear method)	(0.1 ~ 5 000) N	BS	N
DIN EN ISO 13937-3:2000	Textile and Related Products	Textiles - Tear properties of fabrics - Part 3: Determination of tear force of wing-shaped test specimens (Single tear method)	(0.1 ~ 5 000) N	BS	N
DIN EN ISO 13937-4:2000	Textile and Related Products	Textiles - Tear properties of fabrics - Part 4: Determination of tear force of tongue-shaped test specimens (Double tear test)	(0.1 ~ 5 000) N	BS	N
ASTM D 3787-16(2020)	Textile and Related Products	Standard Test Method for Bursting Strength of Textiles—Constant-Rate-of-Traversal (CRT) Ball Burst Test	(0.1 ~ 5 000) N	BS	N
ASTM D 6797-15	Textile and Related Products	Standard Test Method for Bursting Strength of Fabrics Constant-Rate-of-Extension (CRE) Ball Burst Test	(0.1 ~ 5 000) N	BS	N
ISO 3303-1:2020	Textile and Related Products	Rubber- or plastics-coated fabrics -- Determination of bursting strength -- Part 1: Steel-ball method	(0.1 ~ 5 000) N	BS	N
ISO 3303-2:2020	Textile and Related Products	Rubber- or plastics-coated fabrics -- Determination of bursting strength -- Part 2: Hydraulic method	(0.1 ~ 2 000) kPa	BS	N
BS EN ISO 13938-1:2019	Textile and Related Products	Textiles. Bursting properties of fabrics. Hydraulic method for determination of bursting strength and bursting distension	(0.1 ~ 2 000) kPa	BS	N
DIN EN ISO 13938-1:2020	Textile and Related Products	Textiles - Bursting properties of fabrics - Part 1: Hydraulic method for determination of bursting strength and bursting distension	(0.1 ~ 2 000) kPa	BS	N

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01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 12947-1:1998	Textile and Related Products	Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 1: Martindale abrasion testing apparatus	-	BS	N
ISO 12947-2:2016	Textile and Related Products	Textiles - Determination of abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown	≥ 1 cycle	BS	N
ISO 12947-3:1998	Textile and Related Products	Textiles - Determination of abrasion resistance of fabrics by the Martindale method - Part 3: Determination of mass loss	≥ 1 mg	BS	N
ISO 12947-4:1998	Textile and Related Products	Textiles - Determination of abrasion resistance of fabrics by the Martindale method - Part 4: Assessment of appearance change	≥ 1 cycle	BS	N
BS EN ISO 12947-1:1998	Textile and Related Products	Textiles. Determination of the abrasion resistance of fabrics by the Martindale method. Martindale abrasion testing apparatus.	-	BS	N
BS EN ISO 12947-2:2016	Textile and Related Products	Textiles. Determination of the abrasion resistance of fabrics by the Martindale method. Determination of specimen breakdown.	≥ 1 cycle	BS	N
BS EN ISO 12947-3:1998	Textile and Related Products	Textiles. Determination of the abrasion resistance of fabrics by the Martindale method. Determination of mass loss.	≥ 1 mg	BS	N
BS EN ISO 12947-4:1998	Textile and Related Products	Textiles. Determination of the abrasion resistance of fabrics by the Martindale method. Assessment of appearance change.	≥ 1 cycle	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
DIN EN ISO 12947-1:2007	Textile and Related Products	Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 1: Martindale abrasion testing apparatus	-	BS	N
DIN EN ISO 12947-2:2017	Textile and Related Products	Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 2: Determination of specimen breakdown	≥ 1 cycle	BS	N
DIN EN ISO 12947-3:2007	Textile and Related Products	Textiles - Determination of abrasion resistance of fabrics by the Martindale method - Part 3: Determination of mass loss	≥ 1 mg	BS	N
DIN EN ISO 12947-4:2007	Textile and Related Products	Textiles - Determination of abrasion resistance of fabrics by the Martindale method - Part 4: Assessment of appearance change	≥ 1 cycle	BS	N
ISO 5470-2:2021	Textile and Related Products	Rubber- or plastics-coated fabrics - Determination of abrasion resistance - Part 2: Martindale abrader	≥ 1 cycle	BS	N
BS EN ISO 5470-2:2003	Textile and Related Products	Rubber- or plastics-coated fabrics. Determination of abrasion resistance. Martindale abrader.	≥ 1 cycle	BS	N
DIN EN ISO 5470-2:2003	Textile and Related Products	Rubber- or plastics-coated fabrics - Determination of abrasion resistance - Part 2: Martindale abrader	≥ 1 cycle	BS	N
ASTM D2724-19	Textile and Related Products	Standard Test Method for Bond Strength of Bonded, Fused, and Laminated Apparel Fabrics	(0.1 ~ 5 000) N	BS	N
ASTM D 3135-12	Textile and Related Products	Standard Specification for Performance of Bonded, Fused, and Laminated Apparel Fabrics	Appearance assessment- Pass/Fail, (0.1 ~ 5 000) N	BS	N

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01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 13936-1:2004	Textile and Related Products	Textiles - Determination of the slippage resistance of yarns at a seam in woven fabrics - Part 1: Fixed seam opening method	(0.1 ~ 5 000) N	BS	N
ISO 13936-2:2004	Textile and Related Products	Textiles - Determination of the slippage resistance of yarns at a seam in woven fabrics - Part 2: Fixed load method	≥ 0.1 mm	BS	N
BS EN ISO 13936-1:2004	Textile and Related Products	Textiles. Determination of the slippage resistance of yarns at a seam in woven fabrics. Fixed seam opening method	(0.1 ~ 5 000) N	BS	N
BS EN ISO 13936-2:2004	Textile and Related Products	Textiles. Determination of the slippage resistance of yarns at a seam in woven fabrics. Fixed load method	≥ 0.1 mm	BS	N
DIN EN ISO 13936-1:2004	Textile and Related Products	Textiles - Determination of the slippage resistance of yarns at a seam in woven fabrics - Part 1: Fixed seam opening method	(0.1 ~ 5 000) N	BS	N
DIN EN ISO 13936-2:2004	Textile and Related Products	Textiles - Determination of the slippage resistance of yarns at a seam in woven fabrics - Part 2: Fixed load method	≥ 0.1 mm	BS	N
BS EN ISO 13935-1:2014	Textile and Related Products	Textiles. Seam tensile properties of fabrics and made-up textile articles. Determination of maximum force to seam rupture using the strip method	(0.1 ~ 5 000) N	BS	N
BS EN ISO 13935-2:2014	Textile and Related Products	Textiles. Seam tensile properties of fabrics and made-up textile articles. Determination of maximum force to seam rupture using the grab method	(0.1 ~ 5 000) N	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
DIN EN ISO 13935-1:2014	Textile and Related Products	Textiles - Seam tensile properties of fabrics and made-up textile articles - Part 1: Determination of maximum force to seam rupture using the strip method	(0.1 ~ 5 000) N	BS	N
DIN EN ISO 13935-2:2014	Textile and Related Products	Textiles - Seam tensile properties of fabrics and made-up textile articles - Part 2: Determination of maximum force to seam rupture using the grab method	(0.1 ~ 5 000) N	BS	N
ISO 12945-1:2020	Textile and Related Products	Textiles - Determination of fabric propensity to surface pilling, fuzzing or matting - Part 1: Pilling box method	(1 ~ 5) grade	BS	N
ISO 12945-2:2020	Textile and Related Products	Textiles - Determination of fabric propensity to surface pilling, fuzzing or matting - Part 2: Modified Martindale method	(1 ~ 5) grade	BS	N
BS EN ISO 12945-1:2001	Textile and Related Products	Textiles. Determination of fabric propensity to surface fuzzing and to pilling. Pilling box method	(1 ~ 5) grade	BS	N
BS EN ISO 12945-2:2000	Textile and Related Products	Textiles. Determination of fabric propensity to surface fuzzing and to pilling. Modified Martindale method	(1 ~ 5) grade	BS	N
DIN EN ISO 12945-1:2001	Textile and Related Products	Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 1: Pilling box method	(1 ~ 5) grade	BS	N
DIN EN ISO 12945-2:2000	Textile and Related Products	Textiles - Determination of fabric propensity to surface fuzzing and to pilling - Part 2: Modified Martindale method	(1 ~ 5) grade	BS	N
DIN EN ISO 9237:1995	Textile and Related Products	Textiles - Determination of permeability of fabrics to air	(0.1 ~ 10 000) mm/s	BS	N

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01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS 3424-26:1990	Textile and Related Products	Testing coated fabrics. Methods 29A, 29B, 29C and 29D. Methods for determination of resistance to water penetration and surface wetting	(0.1 ~ 2 000) cmH ₂ O, (1 ~ 5) grade	BS	N
DIN EN ISO 4920:2012	Textile and Related Products	Textiles fabrics - Determination of resistance to surface wetting (spray test)	(1 ~ 5) grade	BS	N
KS K 0021:2018	Textile and Related Products	Textiles — Care labelling code using symbols 4.106 Dimensional Changes in Hand Wash	(-100 ~ +100) %	BS	N
IWTO-50:1994	Textile and Related Products	The Measurement of Dimensional Stability and Hygral Change in Woven Fabrics	(-100 ~ +100) %	BS	N
GB/T 14644-2014	Textile and Related Products	Textile fabrics-Burning behaviour 45° test method	0.1 s or more	BS	N
GB 31701-2015	Textile and Related Products	Safety technical code for infants and children textile products	-	BS	N
		5.5 Attached Components	Pass/Fail		
		5.7 Cords and drawstrings	Pass/Fail		
GB/T 31702-2015	Textile and Related Products	Testing method for sharpness of attached components on textile product	Pass/Fail	BS	N
GB/T 8629-2017	Textile and Related Products	Textiles-Domestic washing and drying procedures for textile testing	(-100 ~ +100) %	BS	N
GB/T 8630-2013	Textile and Related Products	Textiles – Determination of dimensional change in washing and drying (ISO 5077:2007 MOD)	(-100 ~ +100) %	BS	N

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01 Mechanical Testing

01.011 Leather and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M 6882:2020	Leather and Related Products	Testing method for leathers	-	BS	N
		6.2 Tensile strength & elongation	(0.1 ~ 1 000) N, ≥ 0.1 %		
		6.3 Tearing strength	(0.1 ~ 1 000) N		
KS M 6888:2016	Leather and Related Products	Testing method for clothing leathers	-	BS	N
		6. Tensile strength	(0.1 ~ 1 000) N		
		7. Tearing strength	(0.1 ~ 1 000) N		
KS M 6889:2016	Leather and Related Products	Clothing leathers	-	BS	N
		4. Quality(crack and touch test)	sensory evaluation		
		5.1 Tensile strength	(0.1 ~ 1 000) N		
		5.3 Tearing strength	(0.1 ~ 1 000) N		
ASTM D 2208-16	Leather and Related Products	Standard Test Method for Breaking Strength of Leather by the Grab Method	(0.1 ~ 1 000) N	BS	N
ASTM D 2209 - 00	Leather and Related Products	Standard Test Method for Tensile Strength of Leather	(0.1 ~ 1 000) N	BS	N
ASTM D 2211 - 00	Leather and Related Products	Standard Test Method for Elongation of Leather	≥ 0.1 %	BS	N
ASTM D 2212 - 00	Leather and Related Products	Standard Test Method for Slit Tear Resistance of Leather	(0.1 ~ 1 000) N	BS	N
ASTM D 4704 - 13	Leather and Related Products	Standard Test Method for Tearing Strength, Tongue Tear of Leather	(0.1 ~ 1 000) N	BS	N
ASTM D 4705-18	Leather and Related Products	Standard Test Method for Stitch Tear Strength of Leather, Double Hole	(0.1 ~ 1 000) N	BS	N
ISO 3377-1:2011	Leather and Related Products	Leather - Physical and mechanical tests - Determination of tear load - Part 1: Single edge tear	(0.1 ~ 1 000) N	BS	N
ISO 3377-2:2016	Leather and Related Products	Leather - Physical and mechanical tests - Determination of tear load-Part 2: Double edge tear	(0.1 ~ 1 000) N	BS	N

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01 Mechanical Testing

01.011 Leather and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
JIS K 6550:1994	Leather and Related Products	Testing method for leathers	(0.1 ~ 1 000) N (0.1 ~ 40) mm	BS	N
ISO 3376:2020	Leather and Related Products	Leather - Physical and mechanical tests - Determination of tensile strength and percentage elongation	(0.1 ~ 1 000) N, ≥ 0.1 %	BS	N
BS EN ISO 3376:2020	Leather and Related Products	Leather - Physical and mechanical tests - Determination of tensile strength and percentage elongation	(0.1 ~ 1 000) N, ≥ 0.1 %	BS	N
DIN EN ISO 3376:2020	Leather and Related Products	Leather - Physical and mechanical tests - Determination of tensile strength and percentage elongation	(0.1 ~ 1 000) N, ≥ 0.1 %	BS	N
BS EN ISO 3377-1:2011	Leather and Related Products	Leather. Physical and mechanical tests. Determination of tear load. Single edge tear	(0.1 ~ 1 000) N	BS	N
BS EN ISO 3377-2:2016	Leather and Related Products	Leather. Physical and mechanical tests. Determination of tear load. Double edge tear.	(0.1 ~ 1 000) N	BS	N
DIN EN ISO 3377-1:2012	Leather and Related Products	Leather - Physical and mechanical tests; Determination of tear load - Part 1: Single edge tear	(0.1 ~ 1 000) N	BS	N
DIN EN ISO 3377-2:2016	Leather and Related Products	Leather - Physical and mechanical tests; Determination of tear load - Part 2: Double edge tear	(0.1 ~ 1 000) N	BS	N
ISO 11644:2009	Leather and Related Products	Leather - Test for adhesion of finish	(0.1 ~ 1 000) N	BS	N

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KATS Notice No.2018-0194(06.29.2018.)	Articles for living	Supplier's Confirmation of Conformity Part 11 Fake Eyelash	-	BS	N
		5.1 Kind of material and content	(0 ~ 100) %		
		5.2 Size	≥ 1 mm		
KATS Notice No.2018-195(06.29.2018.)	Articles for living	Safety Standard Part 9 Tent	-	BS	N
		4. Type	-		
		5. Material	(0 ~ 100) %		
		6. Size	(0.1 ~ 300) cm		
		7. Flame retardant processed products	· After flame time : ≥ 0.1 s · After glow time : ≥ 0.1 s · Burn area : (0.1 ~ 375.0) cm ² · Burn distance : (0.1 ~ 29.0) cm		
KS K 7830:2021	Articles for living	Camping Tents	-	BS	N
		9.3 Zipper	(0.1 ~ 5 000) N		
		9.5 Gound anchorage	(0.1 ~ 5 000) N		
		9.7 Coupling device test	(0.1 ~ 5 000) N		
16 CFR 1501:2022	Articles for living	Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts	Pass/Fail	BS	N
16 CFR 1500.48:2022	Articles for living	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.	Pass/Fail	BS	N

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01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
16 CFR 1500.49:2022	Articles for living	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.	Pass/Fail (10 ~ 20) mm	BS	N
16 CFR 1500.44:2022	Articles for living	Method for determining extremely flammable and flammable solids.	≥ 1 mm/s	BS	N
16 CFR 1500.51:2022	Articles for living	Test methods for simulating use and abuse of toys and other articles intended for use by children 18 months of age or less.	Pass/Fail	BS	N
16 CFR 1500.52:2022	Articles for living	Test methods for simulating use and abuse of toys and other articles intended for use by children over 18 but not over 36 months of age.	Pass/Fail	BS	N
16 CFR 1500.53:2022	Articles for living	Test methods for simulating use and abuse of toys and other articles intended for use by children over 36 but not over 96 months of age.	Pass/Fail	BS	N
JIS S 3015:2019	Articles for living	Slide fasteners	(0.1 ~ 5 000) N	BS	N
ASTM F 963-17	Articles for living	Standard Consumer Safety Specification for Toy Safety	-	BS	N
		4.6 Small Objects	Pass/Fail		
		4.7 Accessible Edges	Pass/Fail (10 ~ 20) mm		
		4.9 Accessible Points	Pass/Fail		

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 0303:2019	Textiles	Identification of jute	Visual examination	BS	N
KS K 0309:2019	Textiles	Identification of ramie	Visual examination	BS	N
KS K 0318:2019	Textiles	Identification of flax	Visual examination	BS	N
KS K 0319:2019	Textiles	Identification of hemp	Visual examination	BS	N
KS K 0365:2019	Textiles	Identification of acetate rayon fibers	Visual examination	BS	N
AATCC TM20:2021	Textiles	Test Method for Fiber Analysis : Qualitative	Fiber name	BS	N
JIS L 1030-1:2012	Textiles	Testing methods for quantitative analysis of fibre mixtures - Part 1: Testing methods for fibre identification	Fiber name	BS	N
BS 4407:1988	Textiles	Methods for quantitative analysis of fibre mixtures	(0.1 ~ 100) %	BS	N
KS K 0210:2018	Textiles	Test methods for quantitative analysis of fibre mixtures of textiles — Test methods for quantitative analysis of fibre mixtures	(0.1 ~ 100) %	BS	N
KS K 0210-1:2021	Textiles	Test method for quantitative analysis of fibre mixtures of textiles — Test methods for fibre identification	-	BS	N
AATCC TM20A:2021	Textiles	Test Method for Fiber Analysis : Quantitative	(0.1 ~ 100) %	BS	N
JIS L 1030-2:2012	Textiles	Testing methods for quantitative analysis of fibre mixtures of textiles - Part 2 : Testing methods for quantitative analysis of fibre mixtures	(0.1 ~ 100) %	BS	N
ISO 1833-1:2020(E)	Textiles	Textiles - Quantitative chemical analysis - Part 1: General principles of testing	(0.1 ~ 100) %	BS	N

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 1833-2:2020(E)	Textiles	Textiles - Quantitative chemical analysis - Part 2: Ternary fibre mixtures	(0.1 ~ 100) %	BS	N
ISO 1833-3:2020(E)	Textiles	Textiles - Quantitative chemical analysis - Part 3: Mixtures of acetate and certain other fibres (method using acetone)	(0.1 ~ 100) %	BS	N
ISO 1833-4:2017(E)	Textiles	Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein fibres with certain other fibres (method using hypochlorite)	(0.1 ~ 100) %	BS	N
ISO 1833-5:2006(E)	Textiles	Textiles - Quantitative chemical analysis - Part 5: Mixtures of viscose, cupro or modal and cotton fibres (method using sodium zincate)	(0.1 ~ 100) %	BS	N
ISO 1833-6:2018(E)	Textiles	Textiles - Quantitative chemical analysis - Part 6: Mixtures of viscose, certain types of cupro, modal or lyocell with certain other fibres (method using formic acid and zinc chloride)	(0.1 ~ 100) %	BS	N
ISO 1833-7:2017(E)	Textiles	Textiles - Quantitative chemical analysis - Part 7: Mixtures of polyamide with certain other fibres (method using formic acid)	(0.1 ~ 100) %	BS	N
ISO 1833-8:2006(E)	Textiles	Textiles - Quantitative chemical analysis - Part 8: Mixtures of acetate and triacetate fibres (method using acetone)	(0.1 ~ 100) %	BS	N
ISO 1833-9:2019(E)	Textiles	Textiles - Quantitative chemical analysis - Part 9: Mixtures of acetate with certain other fibres (method using benzyl alcohol)	(0.1 ~ 100) %	BS	N

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02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 1833-10:2019(E)	Textiles	Textiles - Quantitative chemical analysis - Part 10: Mixtures of triacetate or polylactide with certain other fibres (method using dichloromethane)	(0.1 ~ 100) %	BS	N
ISO 1833-11:2017(E)	Textiles	Textiles - Quantitative chemical analysis - Part 11: Mixtures of certain cellulose fibres with certain other fibres (method using sulfuric acid)	(0.1 ~ 100) %	BS	N
ISO 1833-12:2020(E)	Textiles	Textiles - Quantitative chemical analysis - Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastane fibres with certain other fibres (method using dimethylformamide)	(0.1 ~ 100) %	BS	N
ISO 1833-13:2019(E)	Textiles	Textiles - Quantitative chemical analysis - Part 13: Mixtures of certain chlorofibres with certain other fibres (method using carbon disulfide/acetone)	(0.1 ~ 100) %	BS	N
ISO 1833-14:2019(E)	Textiles	Textiles - Quantitative chemical analysis - Part 14: Mixtures of acetate with certain other fibres (method using glacial acetic acid)	(0.1 ~ 100) %	BS	N
ISO 1833-16:2019(E)	Textiles	Textiles - Quantitative chemical analysis - Part 16: Mixtures of polypropylene fibres with certain other fibres (method using xylene)	(0.1 ~ 100) %	BS	N
ISO 1833-17:2019(E)	Textiles	Textiles - Quantitative chemical analysis - Part 17: Mixtures of cellulose fibres and certain fibres with chlorofibres and certain other fibres (method using concentrated sulfuric acid)	(0.1 ~ 100) %	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 1833-18:2020(E)	Textiles	Textiles - Quantitative chemical analysis - Part 18: Mixtures of silk with wool or other animal hair (method using sulfuric acid)	(0.1 ~ 100) %	BS	N
ISO 1833-20:2018(E)	Textiles	Textiles - Quantitative chemical analysis - Part 20: Mixtures of elastane with certain other fibres (method using dimethylacetamide)	(0.1 ~ 100) %	BS	N
ISO 1833-21:2019(E)	Textiles	Textiles - Quantitative chemical analysis - Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates and certain other fibres (method using cyclohexanone)	(0.1 ~ 100) %	BS	N
ISO 1833-24:2010(E)	Textiles	Textiles - Quantitative chemical analysis - Part 24: Mixtures of polyester and certain other fibres (method using phenol and tetrachloroethane)	(0.1 ~ 100) %	BS	N
KS K 0250:2019	Textiles	Test method for nonfibrous materials in cotton : Enzyme method	(0.1 ~ 100) %	BS	N
KS K 0251:2022	Textiles	Test method for nonfibrous materials in textiles	(0.1 ~ 100) %	BS	N
KS K 0215:2019	Textiles	Test method for man-made filament yarns	-	BS	N
		7.18 solvent extraction	(0.01 ~ 100) % to the nearest 0.01		
KS K 0327:2021	Textiles	Test method for man-made staple fibres	-	BS	N
		6.21 solvent extraction	(0.01 ~ 100) %		
KS K 0463:2017	Textiles	Test method for wool top	-	BS	N
		6.4 oil & fat content	(0.01 ~ 100) %		

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02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 105-B02:2014	Textiles	Textiles — Tests for colour fastness — Part B02 : Colour fastness to artificial light : Xenon arc fading lamp test	(1 ~ 8) grade	BS	N
KS K 0700:2019	Textiles	Test method for color fastness to light : Carbon arc method	(1 ~ 8) grade	BS	N
JIS L 0842:2021	Textiles	Test methods for colour fastness to enclosed carbon arc lamp light	(1 ~ 8) grade	BS	N
AATCC TM16.3-2020	Textiles	Test Method for Colorfastness to Light:Xenon-Arc	(1 ~ 5) grade	BS	N
ISO 105-B01:2014(E)	Textiles	Textiles-Test for colour fastness-Part B01 : Colour fastness to light : Daylight	(1 ~ 8) grade	BS	N
ISO 105-B02:2014(E)	Textiles	Textiles-Tests for colour fastness-Part B02 : Colour fastness to artificial light : Xenon arc fading lamp test	(1 ~ 5) grade	BS	N
KS K ISO 105-C10:2006	Textiles	Textiles — Tests for colour fastness — Part C10 : Colour fastness to washing with soap or soap and soda	(1 ~ 5) grade	BS	N
KS K ISO 105-C06:2010	Textiles	Textiles — Tests for colour fastness — Part C06: Colour fastness to domestic and commercial laundering	(1 ~ 5) grade	BS	N
JIS L 0844:2011	Textiles	Test methods for colour fastness to washing and laundering	(1 ~ 5) grade	BS	N
AATCC TM61-2013	Textiles	Test Method for Colorfastness to laundering: Accelerated	(1 ~ 5) grade	BS	N
BS EN ISO 105-C06:2010	Textiles	Textiles. Tests for colour fastness. Colour fastness to domestic and commercial laundering.	(1 ~ 5) grade	BS	N
KS K 0650-1:2017	Textiles	Test method for color fastness to rubbing : Crock meter method	(1 ~ 5) grade	BS	N
JIS L 0849:2013	Textiles	Test methods for colour fastness to rubbing	(1 ~ 5) grade	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
AATCC TM8-2016	Textiles	Test Method for Colorfastness to crocking: Crockmeter Method	(1 ~ 5) grade	BS	N
ISO 105-X12:2016(E)	Textiles	Textiles-Tests for colour fastness-Part X12 : Colour fastness to rubbing	(1 ~ 5) grade	BS	N
KS K ISO 105-X12:2016	Textiles	Textiles — Tests for colour fastness — Part X12: Colour fastness to rubbing	(1 ~ 5) grade	BS	N
BS EN ISO 105-X12:2016	Textiles	Textiles. Tests for colour fastness. Colour fastness to rubbing.	(1 ~ 5) grade	BS	N
KS K ISO 105-E04:2013	Textiles	Textiles — Tests for colour fastness — Part E04 : Colour fastness to perspiration	(1 ~ 5) grade	BS	N
JIS L 0848:2004	Textiles	Test method for colour fastness to perspiration	(1 ~ 5) grade	BS	N
AATCC TM15-2021	Textiles	Test Method for Colorfastness to perspiration	(1 ~ 5) grade	BS	N
ISO 105-E04:2013(E)	Textiles	Textiles-Tests for colour fastness-Part E04 : Colour fastness to perspiration	(1 ~ 5) grade	BS	N
BS EN ISO 105-E04:2013	Textiles	Textiles. Tests for colour fastness. Colour fastness to perspiration.	(1 ~ 5) grade	BS	N
KS K ISO 105-D01:2010	Textiles	Textiles — Tests for colour fastness — Part D01: Colour fastness to dry cleaning using perchloroethylene solvent	(1 ~ 5) grade	BS	N
JIS L 0860:2020	Textiles	Test methods for colour fastness to dry cleaning	(1 ~ 5) grade	BS	N
AATCC TM132-2013	Textiles	Test Method for Colorfastness to Drycleaning	(1 ~ 5) grade	BS	N
ISO 105-D01:2010(E)	Textiles	Textiles-Tests for colour fastness-Part D01 : Colour fastness to drycleaning using perchloroethylene solvent	(1 ~ 5) grade	BS	N

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02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS EN ISO 105-D01:2010	Textiles	Textiles. Tests for colour fastness. Colour fastness to dry cleaning using perchloroethylene solvent.	(1 ~ 5) grade	BS	N
KS K ISO 105-E01:2013	Textiles	Textiles — Tests for colour fastness — Part E01 : Colour fastness to water	(1 ~ 5) grade	BS	N
JIS L 0846:2004	Textiles	Test method for colour fastness to water	(1 ~ 5) grade	BS	N
AATCC TM107-2013	Textiles	Test Method for Colorfastness to Water	(1 ~ 5) grade	BS	N
ISO 105-E01:2013(E)	Textiles	Textiles-Tests for colour fastness-Part E01 : Colour fastness to water	(1 ~ 5) grade	BS	N
BS EN ISO 105-E01:2013	Textiles	Textiles. Tests for colour fastness. Colour fastness to water.	(1 ~ 5) grade	BS	N
KS K ISO 105-E02:2013	Textiles	Textiles — Tests for colour fastness — Part E02 : Colour fastness to sea water	(1 ~ 5) grade	BS	N
JIS L 0847:2004	Textiles	Test method for colour fastness to sea water	(1 ~ 5) grade	BS	N
AATCC TM106-2013	Textiles	Test Method for Colorfastness to Water: Sea	(1 ~ 5) grade	BS	N
ISO 105-E02:2013(E)	Textiles	Textiles-Tests for colour fastness-Part E02 : Colour fastness to sea water	(1 ~ 5) grade	BS	N
BS EN ISO 105-E02:2013	Textiles	Textiles. Tests for colour fastness. Colour fastness to sea water.	(1 ~ 5) grade	BS	N
KS K ISO 105-N01:1993	Textiles	Textiles — Tests for colour fastness — Part N01 : Colour fastness to bleaching : Hypochlorite	(1 ~ 5) grade	BS	N
JIS L 0856:2002	Textiles	Test methods for colour fastness to bleaching with hypochlorite	(1 ~ 5) grade	BS	N
ISO 105-N01:1993(E)	Textiles	Textiles-Tests for colour fastness-Part N01 : Colour fastness to bleaching : Hypochlorite	(1 ~ 5) grade	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS EN ISO 105-N02:1995	Textiles	Textiles. Tests for colour fastness. Colour fastness to bleaching: Peroxide.	(1 ~ 5) grade	BS	N
BS EN ISO 105-N03:1995	Textiles	Textiles. Tests for colour fastness. Colour fastness to bleaching: Sodium chlorite (mild).	(1 ~ 5) grade	BS	N
BS EN ISO 105-N04:1995	Textiles	Textiles. Tests for colour fastness. Colour fastness to bleaching: Sodium chlorite (severe).	(1 ~ 5) grade	BS	N
KS K ISO 105-E03:2010	Textiles	Textiles — Tests for colour fastness — Part E03: Colour fastness to chlorinated water (swimming-pool water)	(1 ~ 5) grade	BS	N
JIS L 0884-1996	Textiles	Test methods for colour fastness to chlorinated water	(1 ~ 5) grade	BS	N
AATCC TM162-2011	Textiles	Test Method for Colorfastness to Water : Chlorinated pool	(1 ~ 5) grade	BS	N
ISO 105-E03:2010(E)	Textiles	Textiles-Tests for colour fastness-Part E03 : Colour fastness to chlorinated water (swimming-pool water)	(1 ~ 5) grade	BS	N
BS EN ISO 105-E03:2010	Textiles	Textiles. Tests for colour fastness. Colour fastness to chlorinated water (swimming-pool water).	(1 ~ 5) grade	BS	N
AATCC TM133-2020	Textiles	Test Method for Colorfastness to Heat: Hot Pressing	(1 ~ 5) grade	BS	N
ISO 105-X11:1994(E)	Textiles	Textiles-Tests for colour fastness-Part X11 : Colour fastness to hot pressing	(1 ~ 5) grade	BS	N
BS EN ISO 105-X11:1996	Textiles	Textiles. Tests for colour fastness. Colour fastness to hot pressing.	(1 ~ 5) grade	BS	N
KS K 0701:2014	Textiles	Testing method for color fastness to light and perspiration	-	BS	N
		7.2 method B	(1 ~ 5) grade		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
JIS L 0888:2018	Textiles	Test methods for colour fastness to light and perspiration	(1 ~ 5) grade	BS	N
KS K 0112:2018	Textiles	Test method for resistance of infant products to saliva and perspiration	(1 ~ 5) grade	BS	N
DIN 53160-1:2010	Textiles	Determination of the colorfastness of articles for common use- Part 1: Test with artificial saliva	(1 ~ 5) grade	BS	N
DIN 53160-2:2010	Textiles	Determination of the colorfastness of articles for common use- Part 2: Test with to artificial sweat	(1 ~ 5) grade	BS	N
KS K 0111:2022	Textiles	Measuring method for degree of mercerization of cotton: Barium activity method	(100 ~ 999)	BS	N
KS K 0200:2019	Textiles	Test method for color bleeding of dyed fabrics in wet	(1 ~ 5) grade	BS	N
KS K 0446:2021	Textiles	Test method for colour fastness to powdered non-chlorine bleach in home laundering	(1 ~ 5) grade	BS	N
KS K ISO 105-X11:1994	Textiles	Textiles — Tests for colour fastness — Part X11: Colour fastness to hot pressing	(1 ~ 5) grade	BS	N
KS K 0651:2022	Textiles	Test method for color fastness to sublimation in storage	(1 ~ 5) grade	BS	N
KS G 3123:2020	Textiles	Buttons for dress-shirts	-	BS	N
		6.2 Resistance to ironing test	(1 ~ 5) grade		
EN ISO 105-B02:2014(E)	Textiles	Textiles - Tests for colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test	(1 ~ 8) grade	BS	N
DIN EN ISO 105-B02:2014	Textiles	Textiles - Tests for colour fastness - Part B02: Colour fastness to artificial light: Xenon arc fading lamp test	(1 ~ 8) grade	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS EN ISO 105-B02:2014	Textiles	Textiles. Tests for colour fastness. Colour fastness to artificial light: Xenon arc fading lamp test.	(1 ~ 8) grade	BS	N
ISO 105-C06:2010(E)	Textiles	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering	(1 ~ 5) grade	BS	N
EN ISO 105-C06:2010(E)	Textiles	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering	(1 ~ 5) grade	BS	N
DIN EN ISO 105- C06:2010	Textiles	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering	(1 ~ 5) grade	BS	N
ISO 105-C08:2010(E)	Textiles	Textiles - Tests for colour fastness - Part C08: Colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low-temperature bleach activator	(1 ~ 5) grade	BS	N
EN ISO 105-C08:2010(E)	Textiles	Textiles - Tests for colour fastness - Part C08: Colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low-temperature bleach activator	(1 ~ 5) grade	BS	N
DIN EN ISO 105-C08:2010	Textiles	Textiles - Tests for colour fastness - Part C08: Colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low-temperature bleach activator	(1 ~ 5) grade	BS	N
BS EN ISO 105-C08:2010	Textiles	Textiles. Tests for colour fastness. Colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low-temperature bleach activator.	(1 ~ 5) grade	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 105-C10:2006(E)	Textiles	Textiles - Tests for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda	(1 ~ 5) grade	BS	N
EN ISO 105-C10:2007	Textiles	Textiles - Tests for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda	(1 ~ 5) grade	BS	N
DIN EN ISO 105-C10:2007	Textiles	Textiles - Tests for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda	(1 ~ 5) grade	BS	N
BS EN ISO 105-C10:2007	Textiles	Textiles. Tests for colour fastness. Colour fastness to washing with soap or soap and soda.	(1 ~ 5) grade	BS	N
EN ISO 105-X12:2016	Textiles	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing	(1 ~ 5) grade	BS	N
DIN EN ISO 105-X12:2016	Textiles	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing	(1 ~ 5) grade	BS	N
EN ISO 105-E04:2013(E)	Textiles	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration	(1 ~ 5) grade	BS	N
DIN EN ISO 105-E04:2013	Textiles	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration	(1 ~ 5) grade	BS	N
EN ISO 105-D01:2010(E)	Textiles	Textiles - Tests for colour fastness - Part D01: Colour fastness to dry cleaning using perchloroethylene solvent	(1 ~ 5) grade	BS	N
DIN EN ISO 105-D01:2010	Textiles	Textiles - Tests for colour fastness - Part D01: Colour fastness to dry cleaning using perchloroethylene solvent	(1 ~ 5) grade	BS	N
EN ISO 105-X11:1996	Textiles	Textiles - Tests for colour fastness - Part X11: Colour fastness to hot pressing	(1 ~ 5) grade	BS	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
DIN EN ISO 105-X11:1996	Textiles	Textiles - Tests for colour fastness - Part X11: Colour fastness to hot pressing	(1 ~ 5) grade	BS	N
EN ISO 105-E01:2013(E)	Textiles	Textiles - Tests for colour fastness - Part E01: Colour fastness to water	(1 ~ 5) grade	BS	N
DIN EN ISO 105-E01:2013	Textiles	Textiles - Tests for colour fastness - Part E01: Colour fastness to water	(1 ~ 5) grade	BS	N
EN ISO 105-E02:2013(E)	Textiles	Textiles - Tests for colour fastness - Part E02: Colour fastness to sea water	(1 ~ 5) grade	BS	N
DIN EN ISO 105-E02:2013	Textiles	Textiles - Tests for colour fastness - Part E02: Colour fastness to sea water	(1 ~ 5) grade	BS	N
EN ISO 105-E03:2010(E)	Textiles	Textiles - Tests for colour fastness - Part E03: Colour fastness to chlorinated water (swimming-pool water)	(1 ~ 5) grade	BS	N
DIN EN ISO 105-E03:2010	Textiles	Textiles - Tests for colour fastness - Part E03: Colour fastness to chlorinated water (swimming-pool water)	(1 ~ 5) grade	BS	N
AATCC TM125-2013	Textiles	Test Method for Colorfastness to Perspiration and Light	(1 ~ 5) grade	BS	N
EN ISO 105-B07:2009(E)	Textiles	Textiles - Tests for colour fastness - Part B07: Colour fastness to light of textiles wetted with artificial perspiration	(1 ~ 5) grade	BS	N
DIN EN ISO 105-B07:2009	Textiles	Textiles - Tests for colour fastness - Part B07: Colour fastness to light of textiles wetted with artificial perspiration	(1 ~ 5) grade	BS	N
BS EN ISO 105-B07:2009	Textiles	Textiles. Tests for colour fastness. Colour fastness to light of textiles wetted with artificial perspiration.	(1 ~ 5) grade	BS	N

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02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
JIS L 0853:1994	Textiles	Testing method for colour fastness to water spotting	(1 ~ 5) grade	BS	N
AATCC TM104:2014	Textiles	Test Method for Colorfastness to Water Spotting	(1 ~ 5) grade	BS	N
ISO 105-E07:2010(E)	Textiles	Textiles - Tests for colour fastness - Part E07: Colour fastness to spotting: Water	(1 ~ 5) grade	BS	N
EN ISO 105-E07:2010(E)	Textiles	Textiles - Tests for colour fastness - Part E07: Colour fastness to spotting: Water	(1 ~ 5) grade	BS	N
DIN EN ISO 105-E07:2010	Textiles	Textiles - Tests for colour fastness - Part E07: Colour fastness to spotting: Water	(1 ~ 5) grade	BS	N
BS EN ISO 105-E07:2010	Textiles	Textiles. Tests for colour fastness. Colour fastness to spotting. Water.	(1 ~ 5) grade	BS	N
JIS L 0854:2013	Textiles	Test methods for colour fastness to sublimation in storage	(1 ~ 5) grade	BS	N
AATCC TM117:2019	Textiles	Test Method for Colorfastness to Heat: Dry (Excluding Pressing)	(1 ~ 5) grade	BS	N
ISO 105-P01:1993(E)	Textiles	Textiles - Tests for colour fastness - Part P01: Colour fastness to dry heat (excluding pressing)	(1 ~ 5) grade	BS	N
EN ISO 105-P01:1995	Textiles	Textiles - Tests for colour fastness - Part P01: Colour fastness to dry heat (excluding pressing)	(1 ~ 5) grade	BS	N
DIN EN ISO 105-P01:1995	Textiles	Textiles - Tests for colour fastness - Part P01: Colour fastness to dry heat (excluding pressing)	(1 ~ 5) grade	BS	N
BS EN ISO 105-P01:1995	Textiles	Textiles. Tests for colour fastness. Colour fastness to dry heat (excluding pressing).	(1 ~ 5) grade	BS	N
KS K ISO 1833-1:2020	Textiles	Textiles — Quantitative chemical analysis — Part 1: General principles of testing	(0.1 ~ 100) %	BS	N

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 1833-2:2020	Textiles	Textiles — Quantitative chemical analysis — Part 2: Ternary fibre mixtures	(0.1 ~ 100) %	BS	N
KS K ISO 1833-3:2020	Textiles	Textiles — Quantitative chemical analysis — Part 3: Mixtures of acetate with certain other fibres (method using acetone)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-4:2017	Textiles	Textiles — Quantitative chemical analysis — Part 4 : Mixtures of certain protein fibres with certain other fibers(method using hypochlorite)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-5:2006	Textiles	Textiles — Quantitative chemical analysis — Part 5 : Mixtures of viscose, cupro or modal and cotton fibres(method using sodium zincate)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-6:2018	Textiles	Textiles — Quantitative chemical analysis — Part 6: Mixtures of viscose, certain types of cupro, modal or lyocell with certain other fibres(method using formic acid and zinc chloride)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-7:2017	Textiles	Textiles — Quantitative chemical analysis — Part 7 : Mixtures of polyamide and certain other fibres(method using formic acid)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-8:2006	Textiles	Textiles — Quantitative chemical analysis — Part 8 : Mixtures of acetate and triacetate fibres(method using acetone)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-9:2019	Textiles	Textiles — Quantitative chemical analysis — Part 9: Mixtures of acetate with certain other fibres(method using benzyl alcohol)	(0.1 ~ 100) %	BS	N

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 1833-10:2019	Textiles	Textiles — Quantitative chemical analysis — Part 10: Mixtures of triacetate or polylactide with certain other fibres(method using dichloromethane)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-11:2017	Textiles	Textiles — Quantitative chemical analysis — Part 11 : Mixtures of certain cellulose fibres with certain other fibres(method using sulfuric acid)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-12:2020	Textiles	Textiles — Quantitative chemical analysis — Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastane fibres with certain other fibres(method using dimethylformamide)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-13:2019	Textiles	Textiles — Quantitative chemical analysis — Part 13: Mixtures of certain chlorofibres with certain other fibres(method using carbon disulfide/acetone)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-14:2019	Textiles	Textiles — Quantitative chemical analysis — Part 14: Mixtures of acetate with certain other fibres(method using glacial acetic acid)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-16:2019	Textiles	Textiles — Quantitative chemical analysis — Part 16: Mixtures of polypropylene fibres with certain other fibres(method using xylene)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-17:2019	Textiles	Textiles — Quantitative chemical analysis — Part 17: Mixtures of cellulose fibres and certain fibres with chlorofibres and certain other fibres(method using concentrated sulfuric acid)	(0.1 ~ 100) %	BS	N

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 1833-18:2020	Textiles	Textiles — Quantitative chemical analysis — Part 18: Mixtures of silk with wool or other animal hair(method using sulfuric acid)	(0.1 ~ 100) %	BS	N
KS K ISO 1833-21:2019	Textiles	Textiles — Quantitative chemical analysis — Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates with certain other fibres(method using cyclohexanone)	(0.1 ~ 100) %	BS	N

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02 Chemical Testing

02.027 Leather

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M 6882:2020	Leather	Testing method for leathers	-	BS	N
		7.4 Oil & Fat Content	(0.1 ~ 100) %		
JIS K 6550:1994	Leather	Testing method for leathers	-	BS	N
		6.4 Oil & Fat Content	(0.1 ~ 100) %		
KS M 6888:2016	Leather	Testing method for clothing leathers	-	BS	N
		10. Colorfastness	(1 ~ 5) grade		

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
JIS L 1096:2010/AME NDMENT 1:2020	Textile and Related Products	Testing methods for woven and knitted fabrics(Amendment 1)	-	BS- 1	N
		8.19.3, C Method Abrasion resistance	(1 ~ 100) cycles, 1 cycle, (1 ~ 5) grade, 1 grade		
KS K 3716:2021	Textile and Related Products	Polyester ropes	-	BS- 1	N
		6.3 Weight	(0.001 ~ 32 100.000) g, 0.001 g		
		6.4 Length	(0.1 ~ 82.0) cm, 0.1 cm		
		6.7 Tensile strength	(1 ~ 98 000) N, 1 N		
		6.8 Elongation	(0.1 ~ 1000.0) %, 0.1 %		
KS K 3717:2022	Textile and Related Products	Nylon ropes	-	BS- 1	N
		5.3 Weight	(0.001 ~ 32 100.000) g, 0.001 g		
		5.4 Length	(0.1 ~ 82.0) cm, 0.1 cm		
		5.7 Tensile strength	(1 ~ 98 000) N, 1 N		
		5.8 Elongation	(0.1 ~ 1000.0) %, 0.1 %		
KS K 3718:2019	Textile and Related Products	Vinylon ropes	-	BS- 1	N
		7.3 Weight	(0.001 ~ 32 100.000) g, 0.001 g		
		7.4 Length	(0.1 ~ 82.0) cm, 0.1 cm		
		7.7 Tensile strength	(1 ~ 98 000) N, 1 N		
		7.8 Elongation	(0.1 ~ 1000.0) %, 0.1 %		
		Annex determination of rope diameter	(0.01 ~ 280.94) mm, 0.01 mm		

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 6401:2022	Textile and Related Products	Polyethylene ropes	-	BS- 1	N
		6.3 Weight	(0.001 ~ 32 100.000) g, 0.001 g		
		6.4 Length	(0.1 ~ 82.0) cm, 0.1 cm		
		6.7 Tensile strength	(1 ~ 98 000) N, 1 N		
		6.8 Elongation	(0.1 ~ 1000.0) %, 0.1 %		
		Annex determination of rope diameter	(0.01 ~ 280.94) mm, 0.01 mm		
KS K 6405:2022	Textile and Related Products	Polypropylene ropes	-	BS- 1	N
		6.3 Weight	(0.001 ~ 32 100.000) g, 0.001 g		
		6.4 Length	(0.1 ~ 82.0) cm, 0.1 cm		
		6.7 Tensile strength	(1 ~ 98 000) N, 1 N		
		6.8 Elongation	(0.1 ~ 1000.0) %, 0.1 %		
		Annex determination of rope diameter	(0.01 ~ 280.94) mm, 0.01 mm		
KS K 4001:2021	Textile and Related Products	Manila and sisal ropes	-	BS- 1	N
		6.3 Weight	(0.001 ~ 32 100.000) g, 0.001 g		
		6.4 Length	(0.1 ~ 82.0) cm, 0.1 cm		
		6.7 Tensile strength	(1 ~ 98 000) N, 1 N		
KS K ISO 9863-1:2016	Textile and Related Products	Geosynthetics — Determination of thickness at specified pressures — Part 1: Single layers	(0.01 ~ 25.00) mm, 0.01 mm	BS- 1	N
ASTM D5199-12	Textile and Related Products	Standard test method for measuring the nominal thickness of geosynthetics	(0.01 ~ 25.00) mm, 0.01 mm	BS- 1	N
ISO 9863-1:2016/AM D 1:2019	Textile and Related Products	Geosynthetics - Determination of thickness at specified pressure - Part 1: Single layers	(0.01 ~ 25.00) mm, 0.01 mm	BS- 1	N

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 0411:2017	Textile and Related Products	Test method for breaking strength and elongation of textile webbing, tape and braided	(1 ~ 98 000) N, 1 N, (0.1 ~ 1000.0) %, 0.1 %	BS- 1	N
ASTM D3884-22	Textile and Related Products	Standard Guide for Abrasion Resistance of Textile Fabrics (Rotary Platform Abrader Method)	over 1 cycle	BS- 1	N
KS K 0584:2022	Textile and Related Products	Test method for flammability of cloth: Surface burning test	(0.1 ~ 40.0) cm, 0.1 cm, (0.1 ~ 30.0) s, 0.1 s	BS- 1	N
NFA Notice No.2021-7(01.14. 2021.)	Textile and Related Products	Flame-resistance performance standard Part 5 (Testing method for flammability of carpet) Part 6 (Testing method for flammability of laminated fabric and thick fabric)	After flame time : over 0.1 s After glow time : over 0.1 s Burn area : (0.1 ~ 375.0) cm ² Burn distance : (0.1 ~ 29.0) cm Number of contact with flame : over 1 time	BS- 1	N
FMVSS No. 302:2014	Textile and Related Products	Flammability of interior materials	(0.1 ~ 25.4) cm, 0.1 cm, After flame time : over 0.1 s	BS- 1	N
KS K ISO 9864:2005	Textile and Related Products	Geosynthetics — Test method for the determination of mass per unit area of geotextiles and geotextile-related products	(0.001 ~ 610.000) g, 0.001 g	BS- 1	N
ISO 9864:2005	Textile and Related Products	Geosynthetics-Test method for the determination of mass per unit area of geotextiles and geotextile-Related products	(0.001 ~ 610.000) g, 0.001 g	BS- 1	N
KS K ISO 10319:2015	Textile and Related Products	Geosynthetics — Wide-width tensile test	(1 ~ 98 000) N, 1 N	BS- 1	N
ISO 10319:2015	Textile and Related Products	Geotextiles-Wide-Width tensile test	(1 ~ 98 000) N, 1 N	BS- 1	N

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM D4595:17	Textile and Related Products	Standard test method for tensile properties of geotextiles by the Wide-Width strip method	(1 ~ 98 000) N, 1 N	BS-1	N
ASTM D4632/D4632M:15a	Textile and Related Products	Standard test method for grab breaking load and elongation of geotextiles	(0.1 ~ 1 000) N, 0.1 N	BS-1	N
ASTM D6637/D6637M:15	Textile and Related Products	Standard test method for determining tensile properties of geogrids by the single or multi-Rib tensile method	(1 ~ 98 000) N, 1 N	BS-1	N
KS K 0763:2015	Textile and Related Products	Test method for geogrid rib tensile strength	(1 ~ 98 000) N, 1 N	BS-1	N
KS K 0743:2016	Textile and Related Products	Test method for breaking strength and elongation of geotextiles : Grab method	(0.1 ~ 1 000) N, 0.1 N	BS-1	N
ASTM D4533/D4533M:15	Textile and Related Products	Standard test method for trapezoid tearing strength of geotextiles	(0.1 ~ 1 000) N, 0.1 N	BS-1	N
KS K 0796:2015	Textile and Related Products	Test method for trapezoid tearing strength of geotextiles	(0.1 ~ 1 000) N, 0.1 N	BS-1	N
KS K 0350:2017	Textile and Related Products	Test method for bursting strength of cloth : Ball bursting method	(0.5 ~ 1 000) N, 0.5 N	BS-1	N
KS K ISO 11058:2019	Textile and Related Products	Geotextiles and geotextile-related products — Determination of water permeability characteristics normal to the plane, without load	(1 ~ 1 000) mL, 1 mL (0.1 ~ 30.0) s, 0.1 s	BS-1	N
ISO 11058:2019	Textile and Related Products	Geotextiles and geotextile-related products - Determination of water permeability characteristics normal to the plane, without load	(1 ~ 1 000) mL, 1 mL (0.1 ~ 30.0) s, 0.1 s	BS-1	N
ASTM D4491/D4491M:22	Textile and Related Products	Standard Test Methods for Water Permeability of Geotextiles by Permittivity	(1 ~ 1 000) mL, 1 mL (0.1 ~ 30.0) s, 0.1 s	BS-1	N

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 10321:2008	Textile and Related Products	Geosynthetics — Tensile test for joints/seams by wide-width strip method	(1 ~ 98 000) N, 1 N	BS-1	N
ISO 10321:2008	Textile and Related Products	Geosynthetics -- Tensile test for joints/seams by wide-width strip method	(1 ~ 98 000) N, 1 N	BS-1	N
ASTM D4833/4833M-07	Textile and Related Products	Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products	(1 ~ 98 000) N, 1 N	BS-1	N
KS K 0742:2021	Textile and Related Products	Standard test method for individual geogrid junction strength	(0.1 ~ 1 000) N, 0.1 N	BS-1	N
ISO 5470-1:2016	Textile and Related Products	Rubber- or plastics-coated fabrics - Determination of abrasion resistance - Part 1: Taber abrader	over 1 cycle	BS-1	N
BS EN ISO 5470-1:2016	Textile and Related Products	Rubber- or plastics-coated fabrics. Determination of abrasion resistance. Taber abrader	over 1 cycle	BS-1	N
DIN EN ISO 5470-1:2017	Textile and Related Products	Rubber- or plastics-coated fabrics - Determination of abrasion resistance - Part 1: Taber abrader	over 1 cycle	BS-1	N
KS L 2513:2015	Textile and Related Products	Testing methods for textile glass products	-	BS-1	N
		6.2 Mass	(0.01 ~ 2 300.00) g, 0.01 g		
		6.4 Tensile strength	(0.1 ~ 1 000) N, 0.1 N		
KS T 1015:2012	Textile and Related Products	Polyolefine stretched flat yarn for woven bags	-	BS-1	N
		6.1 Tex	(0.01 ~ 2 300.00) g, 0.01 g		
		6.2 Tensile Strength	(0.1 ~ 1 000) N, 0.1 N		
GM W 3208:2017	Textile and Related Products	Rotary Abrasion Test - Taber Type	(1 ~ 10) grade, 1 grade	BS-1	N

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
MOTIE Notice No.2017-0016 (01.31.2017.)	Articles for living	Safety Confirmation Standards Part 6 Toys	-	BS-1	N
		Part 1. General-Categories, Inspections, Labelling of Toys	-		
		Part 2. Mechanical & physical properties	-		
		5.1 General	-		
		5.2 Small parts test	Visual examination		
		5.3 Test for shape and size of certain toys	Visual examination		
		5.4 Small balls test	Visual examination		
		5.5 Test for pompoms	Visual examination		
		5.6 Test for pre-school play figures	Visual examination		
		5.7 Accessibility of a part or component	Visual examination		
		5.8 Sharp-edge test	Over 0.01 mm		
		5.9 Sharp-point test	Visual examination		
		5.10 Determination of thickness of plastic film and sheeting	Over 0.001 mm		
		5.11 Test for cords	Over 0.1 mm, Over 1 MΩ		
		5.12 Stability and overload tests	Visual examination		
		5.13 Test for closures and toy chest lids	Visual examination		
		5.14 Impact test for toys that cover the face	Visual examination		
5.15 Kinetic energy of projectiles, bows and arrows	Over 0.01 J, Over 1 J/m ² , Over 1 mm				
5.16 Free-wheeling facility and brake performance test	Over 1 N				
5.17 Determination of speed of electrically driven ride-on toys	Over 1 m/min				

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.18 Determination of temperature increases	Over 0.1 °C		
		5.19 Leakage of liquid-filled toys	Visual examination		
		5.20 Durability of mouth-actuated toys	Visual examination		
		5.21 Expanding materials	Over 0.01 mm		
		5.22 Folding or sliding mechanisms	Visual examination		
		5.23 Washable toys	Visual examination		
		5.24 Reasonably foreseeable abuse tests	Visual examination		
		5.25 Boron silicate glass	Over 0.000 1 g		
		5.26 Bite test	Visual examination		
		5.27 Determination of sound pressure levels	(30 ~ 130 / 0.1) dB		
		5.28 Static strength for toy scooters	Visual examination		
		5.29 Dynamic strength for toy scooters	Visual examination		
		5.30 Brake performance for toy scooters	Over 0.1 N		
		5.31 Strength of toy scooter steering tubes	Visual examination		
		5.32 Resistance to separation of handlebar	Visual examination		
		5.33 Tension test for magnets	Visual examination		
		5.34 Magnetic flux index	Over 1 G		
		5.35 Impact test for magnets	Visual examination		
		5.36 Soaking test for magnets	Visual examination		
		5.37 Determination of projectile range	Over 0.01 mm		
		5.38 Tip assessment of rigid projectiles	Visual examination		

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.39 Length of suction cup projectiles	Over 0.01 mm		
		Part 3. Flammability	-		
		5.1 General	Visual examination		
		5.2 Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper or cloth strands), which protrude more than or equal to 50 mm from the surface of the toy	Over 0.01 mm		
		5.3 Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper or cloth strands), which protrude less than 50 mm from the surface of the toy, and full or partial molded head masks	Over 0.01 mm		
		5.4 Test relating to flowing elements of toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, head-dresses, etc., fabric masks which partially or fully cover the head, toy disguise costumes, toys intended to be worn by a child in a play and toys intended to be entered by a child	Over 1 mm/s		
		5.5 Test for soft-filled toys	Over 1 mm/s		
		Part 5. slides and similar activity toys for indoor and outdoor family domestic use	-		
		6.1 Stability	Visual examination		
		6.2 Static strength	Visual examination		

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		6.3 Dynamic strength of barriers and handrails	Visual examination		
		6.4 Determination of impacts from swing elements	Over 1 g, Over 1 N/cm ² , Visual examination		
		6.5 Test for head and neck entrapment	Visual examination		
		6.6 Toggle test	Visual examination		
		6.7 Test for head and neck entrapment	Visual examination		
		6.8 Diameter of ropes and chains for swings	Visual examination		
MOTIE Notice No.2020-0229 (12.30.2020.)	Articles for living	Safety Confirmation Standards Part 6 Toys	-	BS-1	N
		Part 1. General-Categories, Inspections, Labelling of Toys	-		
		Part 2. Mechanical & physical properties	-		
		5.1 General	-		
		5.2 Small parts test	Visual examination		
		5.3 Test for shape and size of certain toys	Visual examination		
		5.4 Small balls test	Visual examination		
		5.5 Test for pompoms	Visual examination		
		5.6 Test for pre-school play figures	Visual examination		
		5.7 Accessibility of a part or component	Visual examination		
		5.8 Sharp-edge test	Over 0.01 mm		
		5.9 Sharp-point test	Visual examination		
		5.10 Determination of thickness of plastic film and sheeting	Over 0.001 mm		
		5.11 Test for cords	Over 0.1 mm, Over 1 MΩ		

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01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.12 Stability and overload tests	Visual examination		
		5.13 Test for closures and toy chest lids	Visual examination		
		5.14 Impact test for toys that cover the face	Visual examination		
		5.15 Kinetic energy of projectiles, bows and arrows	Over 0.01 J, Over 1 J/m ² , Over 1 mm		
		5.16 Free-wheeling facility and brake performance test	Over 1 N		
		5.17 Determination of speed of electrically driven ride-on toys	Over 1 m/min		
		5.18 Determination of temperature increases	Over 0.1 °C		
		5.19 Leakage of liquid-filled toys	Visual examination		
		5.20 Durability of mouth-actuated toys	Visual examination		
		5.21 Expanding materials	Over 0.01 mm		
		5.22 Folding or sliding mechanisms	Visual examination		
		5.23 Washable toys	Visual examination		
		5.24 Reasonably foreseeable abuse tests	Visual examination		
		5.25 Boron silicate glass	Over 0.000 1 g		
		5.26 bite test	Visual examination		
		5.27 Determination of sound pressure levels	(30 ~ 130 / 0.1) dB		
		5.28 Static strength for toy scooters	Visual examination		
		5.29 Dynamic strength for toy scooters	Visual examination		
		5.30 Brake performance for toy scooters	Over 0.1 N		

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.31 Strength of toy scooter steering tubes	Visual examination		
		5.32 Resistance to separation of handlebar	Visual examination		
		5.33 Tension test for magnets	Visual examination		
		5.34 Magnetic flux index	Over 1 G		
		5.35 Impact test for magnets	Visual examination		
		5.36 Soaking test for magnets	Visual examination		
		5.37 Determination of projectile range	Over 0.01 mm		
		5.38 Tip assessment of rigid projectiles	Visual examination		
		5.39 Length of suction cup projectiles	Over 0.01 mm		
		Part 3. Flammability	-		
		5.1 General	Visual examination		
		5.2 Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper or cloth strands), which protrude more than or equal to 50 mm from the surface of the toy	Over 0.01 mm		
		5.3 Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper or cloth strands), which protrude less than 50 mm from the surface of the toy, and full or partial molded head masks	Over 0.01 mm		

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.4 Test relating to flowing elements of toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, head-dresses, etc., fabric masks which partially or fully cover the head, toy disguise costumes, toys intended to be worn by a child in a play and toys intended to be entered by a child	Over 1 mm/s		
		5.5 Test for soft-filled toys	Over 1 mm/s		
		Part 5. slides and similar activity toys for indoor and outdoor family domestic use	-		
		6.1 Stability	Visual examination		
		6.2 Static strength	Visual examination		
		6.3 Dynamic strength of barriers and handrails	Visual examination		
		6.4 Determination of impacts from swing elements	Over 1 g, Over 1 N/cm ² , Visual examination		
		6.5 Test for head and neck entrapment	Visual examination		
		6.6 Toggle test	Visual examination		
		6.7 Test for head and neck entrapment	Visual examination		
		6.8 Diameter of ropes and chains for swings	Visual examination		
MOTIE Notice No.2021-0230 (12.29.2021.)	Articles for living	Safety Confirmation Standards Part 6 Toys	-	BS-1	N
		Part 1. General-Categories, Inspections, Labelling of Toys	-		
		Part 2. Mechanical & physical properties	-		
		5.1 General	-		

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.2 Small parts test	Visual examination		
		5.3 Test for shape and size of certain toys	Visual examination		
		5.4 Small balls test	Visual examination		
		5.5 Test for pompoms	Visual examination		
		5.6 Test for pre-school play figures	Visual examination		
		5.7 Accessibility of a part or component	Visual examination		
		5.8 Sharp-edge test	Over 0.01 mm		
		5.9 Sharp-point test	Visual examination		
		5.10 Determination of thickness of plastic film and sheeting	Over 0.001 mm		
		5.11 Test for cords	Over 0.1 mm, Over 1 MΩ		
		5.12 Stability and overload tests	Visual examination		
		5.13 Test for closures and toy chest lids	Visual examination		
		5.14 Impact test for toys that cover the face	Visual examination		
		5.15 Kinetic energy of projectiles, bows and arrows	Over 0.01 J, Over 1 J/m ² , Over 1 mm		
		5.16 Free-wheeling facility and brake performance test	Over 1 N		
		5.17 Determination of speed of electrically driven ride-on toys	Over 1 m/min		
		5.18 Determination of temperature increases	Over 0.1 °C		
		5.19 Leakage of liquid-filled toys	Visual examination		
		5.20 Durability of mouth-actuated toys	Visual examination		
		5.21 Expanding materials	Over 0.01 mm		
		5.22 Folding or sliding mechanisms	Visual examination		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.23 Washable toys	Visual examination		
		5.24 Reasonably foreseeable abuse tests	Visual examination		
		5.25 Boron silicate glass	Over 0.000 1 g		
		5.26 bite test	Visual examination		
		5.27 Determination of sound pressure levels	(30 ~ 130 / 0.1) dB		
		5.28 Static strength for toy scooters	Visual examination		
		5.29 Dynamic strength for toy scooters	Visual examination		
		5.30 Brake performance for toy scooters	Over 0.1 N		
		5.31 Strength of toy scooter steering tubes	Visual examination		
		5.32 Resistance to separation of handlebar	Visual examination		
		5.33 Tension test for magnets	Visual examination		
		5.34 Magnetic flux index	Over 1 G		
		5.35 Impact test for magnets	Visual examination		
		5.36 Soaking test for magnets	Visual examination		
		5.37 Determination of projectile range	Over 0.01 mm		
		5.38 Tip assessment of rigid projectiles	Visual examination		
		5.39 Length of suction cup projectiles	Over 0.01 mm		
		Part 3. Flammability	-		
		5.1 General	Visual examination		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.2 Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper or cloth strands), which protrude more than or equal to 50 mm from the surface of the toy	Over 0.01 mm		
		5.3 Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper or cloth strands), which protrude less than 50 mm from the surface of the toy, and full or partial molded head masks	Over 0.01 mm		
		5.4 Test relating to flowing elements of toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, head-dresses, etc., fabric masks which partially or fully cover the head, toy disguise costumes, toys intended to be worn by a child in a play and toys intended to be entered by a child	Over 1 mm/s		
		5.5 Test for soft-filled toys	Over 1 mm/s		
		Part 5. slides and similar activity toys for indoor and outdoor family domestic use	-		
		6.1 Stability	Visual examination		
		6.2 Static strength	Visual examination		
		6.3 Dynamic strength of barriers and handrails	Visual examination		
		6.4 Determination of impacts from swing elements	Over 1 g, Over 1 N/cm ² , Visual examination		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		6.5 Test for head and neck entrapment	Visual examination		
		6.6 Toggle test	Visual examination		
		6.7 Test for head and neck entrapment	Visual examination		
		6.8 Diameter of ropes and chains for swings	Visual examination		
KS G ISO 8124-1:2014	Articles for living	Safety of toys — Part 1 : Safety aspects related to mechanical and physical properties	-	BS-1	N
		5.1 General	-		
		5.2 Small parts test	Visual examination		
		5.3 Test for shape and size of certain toys	Visual examination		
		5.4 Small balls test	Visual examination		
		5.5 Test for pompoms	Visual examination		
		5.6 Test for pre-school play figures	Visual examination		
		5.7 Accessibility of a part or component	Visual examination		
		5.8 Sharp-edge test	Over 0.01 mm		
		5.9 Sharp-point test	Visual examination		
		5.10 Determination of thickness of plastic film and sheeting	Over 0.001 mm		
		5.11 Test for cords	Over 0.01 mm		
		5.12 Stability and overload tests	Visual examination		
		5.13 Test for closures and toy chest lids	Visual examination		
		5.14 Impact test for toys that cover the face	Visual examination		
5.15 Kinetic energy of projectiles, bows and arrows	Over 0.01 J, Over 1 J/m ² , Over 1 mm				

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.16 Free-wheeling facility and brake performance test	Over 1 N		
		5.17 Determination of speed of electrically driven ride-on toys	Over 1 m/min		
		5.18 Determination of temperature increases	Over 0.1 °C		
		5.19 Leakage of liquid-filled toys	Visual examination		
		5.20 Durability of mouth-actuated toys	Visual examination		
		5.21 Expanding materials	Over 0.01 mm		
		5.22 Folding or sliding mechanisms	Visual examination		
		5.23 Washable toys	Visual examination		
		5.24 Reasonably foreseeable abuse tests	Visual examination		
		5.25 Determination of sound pressure levels	(30 ~ 130 / 0.1) dB		
		5.26 Static strength for toy scooters	Visual examination		
		5.27 Dynamic strength for toy scooters	Visual examination		
		5.28 Brake performance for toy scooters	Over 0.1 N		
		5.29 Strength of toy scooter steering tubes	Visual examination		
		5.30 Resistance to separation of handlebar	Visual examination		
		5.31 Tension test for magnets	Over 0.1 N		
		5.32 Magnetic flux index	Over 1 G		
		5.33 Impact test for magnets	Visual examination		
		5.34 Soaking test for magnets	Visual examination		
		5.35 Determination of projectile range	Over 0.01 mm		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.36 Tip assessment of rigid projectiles	Visual examination		
		5.37 Length of suction cup projectiles	Over 0.01 mm		
ISO 8124-1:2018 /Amd.2:2020	Articles for living	Safety of toys - Part 1 : Safety aspects related to mechanical and physical properties	-	BS-1	N
		5.1 General	-		
		5.2 Small parts test	Visual examination		
		5.3 Test for shape and size of certain toys	Visual examination		
		5.4 Small balls test	Visual examination		
		5.5 Test for pompoms	Visual examination		
		5.6 Test for pre-school play figures	Visual examination		
		5.7 Accessibility of a part or component	Visual examination		
		5.8 Sharp-edge test	Over 0.01 mm		
		5.9 Sharp-point test	Visual examination		
		5.10 Determination of thickness of plastic film and sheeting	Over 0.001 mm		
		5.11 Test for cords	Over 0.01 mm		
		5.12 Stability and overload tests	Visual examination		
		5.13 Test for closures and toy chest lids	Visual examination		
		5.14 Impact test for toys that cover the face	Visual examination		
		5.15 Kinetic energy and wall impact test	Over 0.01 J, Over 1 J/m ² , Over 1 mm		
5.16 Free-wheeling facility and brake performance test	Visual examination				

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.17 Determination of speed of electrically driven ride-on toys	Over 1 m/min		
		5.18 Determination of temperature increases	Over 0.1 °C		
		5.19 Leakage of liquid-filled toys	Visual examination		
		5.20 Durability of mouth-actuated toys	Visual examination		
		5.21 Expanding materials	Over 0.01 mm		
		5.22 Folding or sliding mechanisms	Visual examination		
		5.23 Washable toys	Visual examination		
		5.24 Reasonably foreseeable abuse tests	Visual examination		
		5.25 Determination of sound pressure levels	(30 ~ 130 / 0.1) dB		
		5.26 Static strength for toy scooters	Visual examination		
		5.27 Dynamic strength for toy scooters	Visual examination		
		5.28 Brake performance for toy scooters	Over 0.1 N		
		5.29 Strength of toy scooter steering tubes	Visual examination		
		5.30 Resistance to separation of handlebar	Visual examination		
		5.31 Tension test for magnets	Over 0.1 N		
		5.32 Magnetic flux index	Over 1 G		
		5.33 Impact test for magnets	Visual examination		
		5.34 Soaking test for magnets	Visual examination		
		5.35 Determination of projectile range	Over 0.01 mm		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.36 Tip assessment of rigid projectiles	Visual examination		
		5.37 Length of suction cup projectiles	Over 0.01 mm		
KS G ISO 8124-2:2014	Articles for living	Safety of toys — Part 2 : Flammability	-	BS- 1	N
		5.1 General	-		
		5.2 Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper or cloth strands), which protrude more than or equal to 50 mm from the surface of the toy	Over 0.01 mm		
		5.3 Test relating to beards, moustaches, wigs, etc., made from hair, pile or material that behaves in a similar manner to hair (e.g. free-hanging ribbons, paper, cloth strands, or other flowing elements), which protrude less than 50 mm from the surface of the toy, and full or partial moulded head masks	Over 0.01 mm		
		5.4 Test relating to flowing elements of toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, headdresses, etc. and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and cardboard masks, eye masks, face masks), toy disguise costumes and toys intended to be entered or worn by a child	Over 1 mm/s		
		5.5 Test for soft-filled toys	Over 1 mm/s		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 8124-2:2014	Articles for living	Safety of toys - Part 2 : Flammability	-	BS-1	N
		5.1 General	-		
		5.2 Test relating to beards, moustaches, wigs, etc., made from hair, pile or material that behaves in a similar manner to hair (e.g. free-hanging ribbons, paper, cloth strands, or other flowing elements), which protrude 50 mm or more from the surface of the toy	Over 0.01 mm		
		5.3 Test relating to beards, moustaches, wigs, etc., made from hair, pile or material that behaves in a similar manner to hair (e.g. free-hanging ribbons, paper, cloth strands, or other flowing elements), which protrude less than 50 mm from the surface of the toy, and full or partial moulded head masks	Over 0.01 mm		
		5.4 Test relating to flowing elements of toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, headdresses, etc. and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and cardboard masks, eye masks, face masks), toy disguise costumes and toys intended to be entered or worn by a child	Over 1 mm/s		
		5.5 Test for soft-filled toys	Over 1 mm/s		
BS EN 71-1:2014 +A1:2018	Articles for living	Safety of toys -Part 1: Mechanical and physical properties	-	BS-1	N
		8.1 General requirements for testing	Visual examination		
		8.2 Small parts cylinder	Visual examination		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		8.3 Torque test	Visual examination		
		8.4 Tension test	Visual examination		
		8.5 Drop test	Visual examination		
		8.6 Tip over test	Visual examination		
		8.7 Impact test	Visual examination		
		8.8 Compression test	Visual examination		
		8.9 Soaking test	Visual examination		
		8.10 Accessibility of a part or component	Visual examination		
		8.11 Sharpness of edges	Over 0.01 mm		
		8.12 Sharpness of points	Visual examination		
		8.13 Flexibility of metallic wires	Visual examination		
		8.14 Expanding materials	Over 0.01 mm		
		8.15 Leakage of liquid-filled toys	Visual examination		
		8.16 Geometric shape of certain toys	Visual examination		
		8.17 Durability of mouth-actuated toys	Visual examination		
		8.18 Folding or sliding mechanisms	Visual examination		
		8.19 Electric resistivity of cords	Over 1 MΩ		
		8.20 Cords cross-sectional dimension	Over 0.01 mm		
		8.21 Static strength	Visual examination		
		8.22 Dynamic strength	Visual examination		
		8.23 Stability	Visual examination		
		8.24 Kinetic energy of projectiles	Over 0.01 J, Over 1 J/m ² , Over 1 mm		
		8.25 Plastic sheeting	Over 0.001 mm		
		8.26 Brake performance	Over 0.01 mm		

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01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		8.27 Strength of toy scooter steering tubes	Visual examination		
		8.28 Determination of emission sound pressure levels	(30 ~ 130 / 0.1) dB		
		8.29 Determination of maximum design speed of electrically-driven ride-on toys	Over 1 m/min		
		8.30 Measurement of temperature rises	Over 0.1 °C		
		8.31 Toy chest lids	Visual examination		
		8.32 Small balls and suction cups test	Visual examination		
		8.34 Tension test for magnets	Visual examination		
		8.35 Magnetic flux index	Over 1 G		
		8.36 Perimeter of cords and chains	Over 0.01 mm		
		8.37 Yo-yo balls measurements	Over 0.01 mm		
		8.38 Breakaway feature separation test	Visual examination		
		8.39 Self-retracting cords	Over 0.01 mm		
		8.40 Length of cords, chains and electrical cables	Over 0.01 mm		
BS EN 71-2:2020	Articles for living	Safety of toys — Part 2: Flammability	-	BS-1	N
		5.1 General	-		
		5.2 Test relating to beards, moustaches, wigs, etc., made from pile or flowing elements, which protrude 50 mm or more from the surface of the toy	Over 0.01 mm		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.3 Test relating to beards, moustaches, wigs, etc., made from pile or flowing elements, which protrude less than 50 mm from the surface of the toy, and full or partial moulded head masks	Over 0.01 mm		
		5.4 Test relating to toys to be worn on the head(4.2.5), hoods, headresses including upward protruding items and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and paperboard masks, eye masks, face masks), toy disguise costumes and toys intended to be worn or toys intended to be entered by a child	Over 1 mm/s		
		5.5 Test for soft-filled toys and certain soft-filled parts of toy disguise costumes	Over 1 mm/s		
BS EN 71-8:2018	Articles for living	Safety of toys - Part 8: Activity toys for domestic use	-	BS-1	N
16 CFR 1501:2022	Articles for living	Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts	Visual examination	BS-1	N
16 CFR 1500.48:2022	Articles for living	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.	Visual examination	BS-1	N
16 CFR 1500.49:2022	Articles for living	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.	Over 0.01 mm	BS-1	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
16 CFR 1500.44:2022	Articles for living	Method for determining extremely flammable and flammable solids.	Over 1 mm/s	BS-1	N
16 CFR 1500.51:2022	Articles for living	Test methods for simulating use and abuse of toys and other articles intended for use by children 18 months of age or less.	Visual examination	BS-1	N
16 CFR 1500.52:2022	Articles for living	Test methods for simulating use and abuse of toys and other articles intended for use by children over 18 but not over 36 months of age.	Visual examination	BS-1	N
16 CFR 1500.53:2022	Articles for living	Test methods for simulating use and abuse of toys and other articles intended for use by children over 36 but not over 96 months of age.	Visual examination	BS-1	N
MOTIE Notice No.2017-0018 (01.31.2017.)	Articles for living	Safety Standard for Children's Product	-	BS-1	N
		6.2 Test method of physical requirement	Visual examination Over 1 G, Over 0.01 mm		
MOTIE Notice No.2019-0201 (12.03.2019.)	Articles for living	Safety Standard for Children's Product	-	BS-1	N
		4.2 Test method of physical requirement	Visual examination Over 1 G, Over 0.01 mm		
MOTIE Notice No.2021-0132 (07.19.2021.)	Articles for living	Safety Standard for Children's Product	-	BS-1	N
		4.2 Test method of physical requirement	Visual examination Over 1 G, Over 0.01 mm		
MOTIE Notice No.2021-0229 (12.29.2021.)	Articles for living	Safety Standard for Children's Product	-	BS-1	N
		4.2 Test method of physical requirement	Visual examination Over 1 G, Over 0.01 mm		
KS G 3102:2020	Articles for living	Slide fasteners	0.1 N	BS-1	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM F963-17	Articles for living	Standard Consumer Safety Specification for toy Safety	-	BS-1	N
		4.1 Material Quality	Visual examination		
		4.2 Flammability	Over 1 mm/s		
		4.5 Sound-Producing Toys	(30 ~ 130 / 0.1) dB		
		4.6 Small Objects	Visual examination		
		4.7 Accessible Edges	Over 0.01 mm		
		4.8 Projections	Visual examination		
		4.9 Accessible Points	Visual examination		
		4.10 Wires or Rods	Visual examination		
		4.11 Nails and Fasteners	Visual examination		
		4.12 Plastic Film	Over 0.001 mm		
		4.13 Folding Mechanisms and Hinges	Visual examination		
		4.14 Cords, Straps, and Elastics	Over 0.01 mm		
		4.15 Stability and Over-Load Requirements	Visual examination		
		4.16 Confined Spaces	Over 0.01 mm, Visual examination		
		4.17 Wheels, Tires, and Axles	Visual examination		
		4.18 Holes, Clearance, and Accessibility of Mechanisms	Visual examination		
		4.19 Simulated Protective Devices (such as helmets, hats, and goggles)	Visual examination		
		4.20 Pacifiers	Visual examination		
		4.20.2 Toy pacifiers	Visual examination		
		4.21 Projectile Toys	Over 0.01 J, Over 1 J/m ² , Over 1 mm		
		4.22 Teethers and Teething Toys	Visual examination		
		4.23 Rattles	Visual examination		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		4.24 Squeeze Toys	Visual examination		
		4.26 Toys Intended to be Attached to a Crib or Playpen	Visual examination		
		4.27 Stuffed and Beanbag-Type Toys	Visual examination		
		4.28 Stroller and Carriage Toys	Visual examination		
		4.30 Toy Gun Marking	Visual examination		
		4.31 Balloons	Visual examination		
		4.32 Certain Toys with Spherical Ends	Visual examination		
		4.33 Marbles	Visual examination		
		4.34 Balls	Visual examination		
		4.35 Pompoms	Visual examination		
		4.36 Hemispheric-Shaped Objects	Visual examination		
		4.38 Magnets	Over 1 G		
		4.39 Jaw Entrapment in Handles and Steering Wheels	Visual examination		
		4.41 Toy Chests	Over 0.1 N, Over 0.001 mm		
		5. Labeling Requirements	Visual examination		
		6. Instructional Literature	Visual examination		
		7. Producer's Marking	Visual examination		
ISO 11339:2022	Articles for living	Adhesives -- T-peel test for flexible-to-flexible bonded assemblies	0.1 N/m	BS-1	N
MOTIE Notice No.2017-0016 (01.31.2017.)	Articles for living	Safety Confirmation Standards Part 11 School things	-	BS-1	N
		Part 1. Caps for writing and marking instruments intended for use by children up to 13 years of age-Safety requirements	-		
		3.2 Cap size	Over 0.01 mm		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		3.3.1 Air permeable cap	Over 0.01 mm ²		
		3.3.2 Air flow rate	Over 0.01 L/min		
MOTIE Notice No.2020-0229 (12.30.2020.)	Articles for living	Safety Confirmation Standards Part 11 School things	-	BS-1	N
		Part 1. Caps for writing and marking instruments intended for use by children up to 13 years of age-Safety requirements	-		
		3.2 Cap size	Over 0.01 mm		
		3.3.1 Air permeable cap	Over 0.01 mm ²		
		3.3.2 Air flow rate	Over 0.01 L/min		
MOTIE Notice No.2021-0230 (12.29.2021.)	Articles for living	Safety Confirmation Standards Part 11 School things	-	BS-1	N
		Part 1. Caps for writing and marking instruments intended for use by children up to 13 years of age-Safety requirements	-		
		3.2 Cap size	Over 0.01 mm		
		3.3.1 Air permeable cap	Over 0.01 mm ²		
		3.3.2 Air flow rate	Over 0.01 L/min		
MOTIE Notice No.2015-0108 (06.04.2015.)	Articles for living	Safety Confirmation Standards Part 16 Children's Carrier	-	BS-1	N
		Part 1: Children's Soft Carrier	-		
		6.1 Appearance	Over 0.01 mm		
		6.2.3 Flammability of fabric materials	Over 1 mm/s		
		6.2.4 Corrosion test	Over 0.01 mm		
		6.3 Structure	Visual examination		
		6.4 Performance	Over 0.01 mm, Over 0.1 N Visual examination		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		Part 2: Children's Frame Carrier	-		
		6.1 Appearance	Over 0.01 mm		
		6.2.3 Flammability of fabric materials	Over 1 mm/s		
		6.2.4 Corrosion test	Over 0.01 mm		
		6.3 Structure	Visual examination		
		6.4 Performance	Over 0.01 mm, Over 0.1 N Visual examination		
MOTIE Notice No.2015-0108 (06.04.2015.)	Articles for living	Safety Confirmation Standards Part 15 Thermal pack for children	-	BS-1	N
		6.2 Seal integrity	Visual examination		
		6.3 Strength test	Visual examination		
		6.7 Temperature property	Over 0.1 °C		
		6.8 Adhesion test	Visual examination		
		6.9 Leakage of liquid-filled products	Visual examination		
MOTIE Notice No.2015-0107 (06.04.2015.)	Articles for living	Safety Certification Standards Part 4 BB Guns for Children	-	BS-1	N
		5.1 Appearance	Visual examination		
		5.2 Structure	Visual examination		
		5.3 Performance(5.3.5 excluded)	Over 0.1 N, Over 0.01 J		
KATS Notice No.2017-017 (01.31.2017.)	Articles for living	Safety certification standard for Consumer products 5 Lighter	-	BS-1	N
		7.1 Flame heights	Over 1 mm		
		7.2 Spitting, sputtering and flaring tests	Over 1 mm, Over 1 s		
		7.3 Flame extinction test	Over 1 mm, Over 1 s		
		7.4 Volumetric fuel-displacement test	Over 0.1 mg, Over 1 s		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		7.5 Refilling test < Exclude disposable lighter >	Over 0.1 mg, Over 1 s		
		7.6 Drop test	Over 0.1 mg, Over 1 s		
		7.7 Elevated-temperature test	Over 0.1 mg, Over 1 s		
		7.8 Continuous-burning-time test	Over 0.1 mg, Over 1 s		
		7.9 Cyclic-burning-time test	Over 0.1 mg, Over 1 s		
		7.10 Fuel compatibility test	0.1 mg, 1 s		
		7.11 Internal-pressure test	Over 0.001 MPa		
		7.12 Assemble strength test (Disposable lighter only)	Visual examination		
		7.13 Volumetric fuel container test	Over 0.1 mg		
KS G 9994:2019	Articles for living	Lighters — Safety specification	-	BS-1	N
		7.2 Flame height measurement	Over 1 mm		
		7.3 Spitting, sputtering and flaring tests	Over 1 mm, Over 1 s		
		7.4 Flame extinction test	Over 1 mm, Over 1 s		
		7.5 Fuel compatibility test	Over 0.1 mg, Over 1 s		
		7.6 Refilling test	Over 0.1 mg, Over 1 s		
		7.7 Volumetric fuel-displacement test	Over 0.1 mg		
		7.8 Drop test	Over 0.1 mg, Over 1 s		
		7.9 Elevated-temperature test	Over 0.1 mg, Over 1 s		
		7.10 Internal-pressure test	Over 0.001 MPa		
		7.11 Cyclic-burning-time test	Over 0.1 mg, Over 1 s		
		7.12 Continuous-burning-time test	Over 0.1 mg, Over 1 s		
		7.13 Separation strength test	Visual examination		
KS C IEC 62115:2017	Articles for living	Electrical Toys — Safety	-	BS-1	N
		6 Criteria for reduced testing	Visual examination		
		7 Marking and Instructions	Visual examination		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		8 Power input	(rated voltage \pm 20) %		
		9 Heating and abnormal operation	Over 0.1 °C		
		10 Electric strength	250 V, 60 Hz		
		11 Electric toys used in water, electric toys used with liquid and Electric toys cleaned with liquid	Visual examination		
		12 Mechanical strength	250 V, 60 Hz		
		13 Construction	Over 0.1 J		
		14 Protection of cords and wires	Visual examination		
		15 Components	Visual examination		
		16 Screws and connections	Visual examination		
		17 Clearance and creepage distances	Over 1 mm		
		18 Resistance to heat and fire	Over 0.01 mm		
KATS Notice No.2009-977 (12.30.2009.)	Articles for living	Safety certification standard for Consumer products 3 Domestic pressure pans and pressure pots	-	BS-1	N
		6.4.1 Pressure adjustment ation test	1.0 kPa		
		6.4.2 Safety devices ation test	Visual examination		
		6.4.3 Pressure Test	Visual examination		
		6.4.4 Handle temperature rise test	1.5 °C		
MOTIE Notice No.2017-0016 (01.31.2017.)	Articles for living	Safety Confirmation Standards Part 2 Care articles for children	-	BS-1	N
		Part 1: Children's bedguards	-		
		5.1 Appearance	Visual examination		
		5.2 Physical properties	Over 0.1 N, Over 1 mm		
		Part 2: Soothers for babies and young children	-		
5.1 Mechanical and physical properties	Over 0.1 mm, Over 0.1 N Over 0.01 mm				

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		Part 3: Soother holder for babies and young children	-		
		5.1 Mechanical and physical properties	Over 0.01 mm, Over 0.1 N, Over 0.1 mm, Over 0.1°		
		Part 4: Floor mat	-		
		5.1 Mechanical and physical properties	Visual examination		
MOTIE Notice No.2015-0108 (06.04.2015.)	Articles for living	Safety Confirmation Standards Part 12 Baby walking frames	-	BS-1	N
		4.3 Structure	Over 0.01 mm, Over 0.1 N		
		4.4 Performance	Over 0.1 N, Visual examination		
MOTIE Notice No.2015-0108 (06.04.2015.)	Articles for living	Safety Confirmation Standards Part 13 Baby Carriage	-	BS-1	N
		6.3 Structure	Over 0.01 mm, Over 0.1 N, Over 0.1°		
		6.4 Performance	Over 0.1°, Over 0.1 N, Over 0.1 m/s ² , Over 10 kPa, Over 0.1 mm		
MOTIE Notice No.2015-0108 (06.04.2015.)	Articles for living	Safety Confirmation Standards Part 14 Children's cots	-	BS-1	N
		Part 1: General safety requirements and test method	Visual examination, Over 1 mm, Over 0.01 mm, Over 0.001 mm, Over 1 mm/s, Over 1 G		

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		Part 2: Safety requirements and test methods for reclining cradle and bouncers	Over 0.1°, Over 0.01 mm, Visual examination		
		Part 3: Safety requirements and test methods for Cribs and cradles for home			
		Part 4: Safety requirements for Cribs and rall-away bed for home			
		Part 5: Safety requirements and test methods for play fences			
MOTIE Notice No.2015-0107 (06.04.2015.)	Articles for living	Safety Certification Standards Part 1 Aquatic Equipment For Children	-	BS-1	N
		Part 1. Air injection aquatic equipment	-		
		5.1 Appearance	Visual examination, Over 1 mm		
		5.2 Raw material thickness	Over 0.001 mm		
		5.3 Raw plastic tensile strength	Over 0.1 N		
		5.4 Heating loss	Over 0.1 %		
		5.5 Air vessel volume	Over 0.001 m ³		
		5.6 Tensile strength	Visual examination		
		5.7 Seal integrity	Visual examination		
		Part 2. Swimming assistance equipment(wearable)	-		
		6.3 Material and mark-Colour fastness to chlorinated water	1 ~ 5 grade		
		6.4 Mark - Colour fastness to spit	1 ~ 5 grade		
		6.5 Mark - Colour fastness to perspiration	1 ~ 5 grade		
		6.6 Buoyancy characteristic	Over 0.1 N		
6.7 Efficiency of back flow valve	Over 0.1 N				

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		6.8 Residual buoyancy	Over 0.1 N		
		6.9 Donning, function retention, edge, corner and dead end	Visual examination		
		6.10 Safety grade of buckle	Visual examination		
		6.11 Connection strength and durability of air injection apparatus	Visual examination		
		6.12 Blowout inspection	Visual examination		
		6.13 Mark firmness	Visual examination		
		6.14 Small part	Visual examination		
		6.15 Complete unit load test	Visual examination, Over 0.01 mm		
		6.16.1 Water absorbability of foam and float material	Over 0.1 N		
		6.16.2 Pressure resistance of foam and float material	Over 0.1 N		
		6.16.7 Stability of swimming assistance chair for children	Visual examination		
		Part 3. Swimming assistance equipment (non-wearable)	-		
		6.3 Material and mark-Colour fastness to chlorinated water	1 ~ 5 grade		
		6.4 Mark - Colour fastness to spit	1 ~ 5 grade		
		6.5 Mark - Colour fastness to perspiration	1 ~ 5 grade		
		6.6 Buoyancy characteristic	Over 0.1 N		
		6.7 Valve, edge, corner and dead end	Visual examination, Over 0.01 mm		
		6.8 Supplementary goods for air injection	Visual examination		

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		6.9 Mark firmness	Visual examination		
		6.10 Small part	Visual examination		
		6.11.1 Water absorbability of foam and float material	Over 0.1 N		
KATS Notice No.2017-032 (02.08.2017.)	Articles for living	Safety Confirmation Standards Part 1 Mountaineering ropes	-	BS-1	N
		5.3 Thickness	Over 0.01 mm		
		5.4 Weight of wick fiber	Over 0.01 g		
		5.5 Knot	Over 0.01		
		5.6 Elongation	Over 0.01 %		
		5.7 Tensile strength	Over 1 N		
		5.8 composition of the material, or composition	Over 0.1 %		
5.9 Length	Over 0.01 mm				
KATS Notice No.2021-0483 (10.15.2021.)	Articles for living	Safety Standard Part 23 Wallpapers and floor coverings on a base of paper	-	BS-1	N
		4.1.4 Flammability test	After flame time : over 0.1 s After glow time : over 0.1 s Burn area : (0.1 ~ 375.0) cm ² , 0.1 cm ² Burn distance : (0.1 ~ 29.0) cm, 0.1 cm Number of contact with flame : over 1 time		
JIS A 6921:2014	Articles for living	Wallpaper and wallcovering for decorative finish	-	BS-1	N
		6.3.3 Hiding property test	(1 ~ 4) grade, 1 grade		
		6.3.4 Workability test	Visual examination		
		6.3.5 Wet strength test	(0.01 ~ 1 000) N/1.5 cm, 0.01 N/1.5 cm		

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M 7305:2017	Articles for living	Wallpaper	-	BS-1	N
		5.3.3 Concealed test	(1 ~ 4) grade, 1 grade		
		5.3.4 Constructability test	Visual examination		
		5.3.5 Wet strength test	(0.01 ~ 1 000) N/15 mm, 0.01 N/15 mm		
		5.3.8 Flammability test	After flame time : over 0.1 s After glow time : over 0.1 s Burn area : (0.1 ~ 375.0) cm ² , 0.1 cm ² Burn distance : (0.1 ~ 29.0) cm, 0.1 cm Number of contact with flame : over 1 time		
KS M 3001:2001	Articles for living	Testing methods for mechanical characteristics of polyethylene film	-	BS-1	N
		5. Thickness of film	(0 ~ 100) cm		
		6. Tensile strength and elongation	(0 ~ 1 000) N/cm ² , (0 ~ 600) %		
		7. Tear Strength	(0 ~ 50) N/cm		
KS T 1093:2019	Articles for living	Polyethylene films for packaging	-	BS-1	N
		6 Dimensions	(0 ~ 100) cm		
		8.6 Tensile strength and elongation	(0 ~ 1 000) N/cm ² , (0 ~ 600) %		
		8.7 Tear Strength	(0 ~ 50) N/cm		
SPS-KPS M 1001-0806:2018	Articles for living	Polyethylene films for agriculture	-	BS-1	N
		6 Dimensions	(0 ~ 100) cm		
		8.6 Tensile strength and elongation	(0 ~ 1 000) N/cm ² , (0 ~ 600) %		
		8.7 Tear Strength	(0 ~ 50) N/cm		

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
SPS-KPS M 1000-0805:2018	Articles for living	Plastics bags for separate garbage collection	-	BS-1	N
		8.5 Thickness	(0.001 ~ 1) mm		
		8.6 Width and height	(0 ~ 100) cm		
		8.7 Tensile strength and elongation	(0 ~ 1 000) N/cm ² , (0 ~ 600) %		
		8.8 Notched Tear Strength	(0 ~ 50) N/cm		
SPS-KPS M 1005-0810:2018	Articles for living	Plastics bags containing calcium carbonate for separate garbage collection	-	BS-1	N
		8.5 Thickness	(0.001 ~ 1) mm		
		8.6 Width and height	(0 ~ 100) cm		
		8.7 Tensile strength and elongation	(0 ~ 1 000) N/cm ² , (0 ~ 600) %		
SPS-KPS M 1010-0815:2018	Articles for living	Biodisintegrable plastics bags containing aliphatic polyester/starch for separate garbage collection	-	BS-1	N
		8.5 Thickness	(0.001 ~ 1) mm		
		8.6 Width and height	(0 ~ 100) cm		
		8.7 Tensile strength and elongation	(0 ~ 1 000) N/cm ² , (0 ~ 600) %		
KS M 7132:2017	Articles for living	Polyethylene film bags	-	BS-1	N
		9.4 Thermal Junction strength test	(0 ~ 50) N		

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01 Mechanical Testing

01.017 Articles for living

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M ISO 4589-2:1996	Articles for living	Plastics — Determination of burning behaviour by oxygen index — Part 2: Ambient-temperature test	(20 ~ 80) %	BS-1	N
KS M 3331:2019	Articles for living	Testing methods for liquid unsaturated polyester resin	-	BS-1	N
		5.5.1 Brookfield-type viscometer law	LV : (15 ~ 6 000 000) mPa·s RV : (100 ~ 40 000 000) mPa·s		

Korea Laboratory Accreditation Scheme

No. KT004

01 Mechanical Testing

01.021 Automobiles and related products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
SAE J 882:2012	Automobiles and related products	Test method for measuring thickness of automotive textiles and plastics	(0 ~ 20) mm / 0.01 mm	BS-1	N
ASTM D5587:15	Automobiles and related products	Standard Test Method for Tearing Strength of Fabrics by Trapezoid Procedure	(0 ~ 1 000 000) mN / 0.1 mN	BS-1	N
SAE J 1756:2006	Automobiles and related products	Determination of the fogging characteristics of interior automotive materials	(0 ~ 10) g / 0.1 mg	BS-1	N
SAE J1351_202205	Automobiles and related products	Hot Odor Test for Materials Used in Vehicle Interior Cabins	Rating (1 ~ 10)	BS-1	N
ASTM D3882-08(2020)	Automobiles and related products	Standard Test Method for Bow and Skew in Woven and Knitted Fabrics	(0 ~ 30) % / 0.01 %	BS-1	N
SAE J2412_201508	Automobiles and related products	Accelerated Exposure of Automotive Interior Trim Components Using a Controlled Irradiance Xenon-Arc Apparatus	Grade (1 ~ 5) (300 ~ 400) nm / (23 ~ 169) W/m ²	BS-1	N
SAE J1767_202112	Automobiles and related products	Instrumental Color Difference Measurements for Colorfastness of Automotive Interior Trim Materials	$\Delta L^*, a^*, b^*$ $\Delta L^*, C^*, H^*$ Δ CMC (300 ~ 400) nm / (23 ~ 169) W/m ²	BS-1	N
ISO 105-B06:2020	Automobiles and related products	Textiles - Tests for colour fastness - Part B06: Colour fastness and ageing to artificial light at high temperatures: Xenon arc fading lamp test	(300 ~ 400) nm / (23 ~ 169) W/m ²	BS-1	N
ISO 4892-2:2013/Am d 1:2021	Automobiles and related products	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps AMD1 : Classification of day light filters	(300 ~ 400) nm / (23 ~ 169) W/m ²	BS-1	N
SAE J2527_201709	Automobiles and related products	Performance Based Standard for Accelerated Exposure of Automotive Exterior Materials Using a Controlled Irradiance Xenon-Arc Apparatus	(300 ~ 400) nm / (23 ~ 169) W/m ²	BS-1	N

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01 Mechanical Testing

01.021 Automobiles and related products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM D4355/D4355M- 21	Automobiles and related products	Standard Test Method for Deterioration of Geotextiles by Exposure to Light, Moisture, and Heat in a Xenon Arc-Type Apparatus	(0 ~ 10 000) N (300 ~ 400) nm / (23 ~ 169) W/m ²	BS- 1	N
SAE J 912:2012	Automobiles and related products	Test method for determining blocking resistance and associated characteristics of automotive trim materials	(0 ~ 250) °C	BS- 1	N
GM W 14141:2011	Automobiles and related products	Dye Migration	Grade (1 ~ 5) / Grade 0.5	BS- 1	N

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02 Chemical Testing

02.016 Other petroleum products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS EN 1122:2001	Plastics	Plastics-Determination of cadmium-Wet decomposition method	≥ 5 mg/kg	BS-1	N
KS M 1991:2016	Polymer	Determination of phthalates contents in polymer materials	-	BS-1	N
		Di(ethylhexyl)phthalate(DEHP)	Each ≥ 100 mg/kg		
		Butylbenzylphthalate(BBP)			
		Di-n-butylphthalate(DBP)			
		Di-n-octylphthalate(DNOP)			
		Di-isonoylphthalate(DINP)			
		Di-iso-decylphthalate(DIDP)			
Di-isobutylphthalate(DIBP)					
KS M 3705:2020	Adhesives	General testing methods for adhesives	-	BS-1	N
		6.2 pH	1 ~ 14		
AfPS GS 2019:01 PAK	Extender oil, Carbon black	Testing and assessment of polycyclic aromatic hydrocarbons (PAHs) in the course of awarding the GS mark	Each ≥ 0.2 mg/kg	BS-1	N
CPSC-CH-C1001 -09.4	Children's toys and child care articles	Standard operating procedure for determination of phthalates	-	BS-1	N
		Di(2-ethylhexyl) phthalate(DEHP)	Each ≥ 50 mg/kg		
		Benzyl Butyl Phthalate(BBP)			
		Dibutyl Phthalate(DBP)			
		DINP - 1,2-Benzenedicarboxylicacid, 1,2-diisononyl - 1,2-Benzenedicarboxylicacid, di-C8-10 branched alkyl esters, C9-rich			
		Diisobutyl phthalate(DIBP)			
		Dicyclohexyl phthalate(DCHP)			
		Di-n-hexyl phthalate(DHEXP)			
		Di-n-pentyl phthalate(DPENP)			

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02 Chemical Testing

02.025 Indoor and Other Environment

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM E1613-12	Indoor and Other Environment	Standard test Method for determination of Lead by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES), Flame Atomic Absorption Spectrometry (FAAS), or Graphite Furnace Atomic Absorption Spectrometry (GFAAS) Techniques	$\geq 10 \text{ mg/kg}$	BS-1	N
KS I ISO 16000-6:2011	Indoor and Other Environment	Indoor air — Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA [®] sorbent, thermal desorption and gas chromatography using MS or MS/FID	$\geq 1 \text{ }\mu\text{g/m}^3$	BS-1	N
NIER Notice No.2021-94(12.17.2021.)	Indoor and Other Environment	Indoor air quality official test method ES 02131.1e	-	BS-1	N
		Determination of emission of volatile organic compounds and formaldehyde from building materials by small-scale emission test chamber method	$\geq 0.001 \text{ mg}/(\text{m}^2.\text{h})$		
KS I ISO 16000-3:2011	Indoor and Other Environment	Indoor air — Part 3: Determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air — Active sampling method	$1 \text{ }\mu\text{g/m}^3 \sim 1 \text{ mg/m}^3$	BS-1	N
KS I ISO 16000-9:2006	Indoor and Other Environment	Indoor air — Part 9: Determination of the emission of volatile organic compounds from building products and furnishing — Emission test chamber method	$\geq 0.001 \text{ mg}/(\text{m}^2.\text{h})$	BS-1	N

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02 Chemical Testing

02.025 Indoor and Other Environment

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS I ISO 16000-11:2006	Indoor and Other Environment	Indoor air — Part 11 : Determination of the emission of volatile organic compounds from building products and furnishing — Sampling, storage of samples and preparation of test specimens	Sampling, storage, and preparation of specimens	BS-1	N
KS M 0180:2009	Indoor and Other Environment	Standard test method for halogen(F, Cl, Br) and sulfur content by oxidative pyrohydrolytic combustion followed by ion chromatography detection (Combustion ion chromatography – CIC)	F, Cl, Br : ≥ 50 mg/kg S : ≥ 100 mg/kg	BS-1	N
IEC 62321-4:2013+AM D1:2017	Indoor and Other Environment	Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS	≥ 1 mg/kg	BS-1	N
KS C IEC 62321-4:2013	Indoor and Other Environment	Determination of certain substances in electrotechnical products — Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS	≥ 1 mg/kg	BS-1	N
IEC 62321-5:2013	Indoor and Other Environment	Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS	Cd : ≥ 5 mg/kg Pb : ≥ 10 mg/kg Cr : ≥ 2 mg/kg	BS-1	N
KS C IEC 62321-5 Ed. 1.0:2013	Indoor and Other Environment	Determination of certain substances in electrotechnical products — Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS	Cd : ≥ 5 mg/kg Pb : ≥ 10 mg/kg Cr : ≥ 2 mg/kg	BS-1	N

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02 Chemical Testing

02.025 Indoor and Other Environment

Test method	Products and materials	Standard designation	Test range	Site	Field testing
IEC 62321-6:2015	Indoor and Other Environment	Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)	≥ 500 mg/kg	BS-1	N
KS C IEC 62321-6:2015	Indoor and Other Environment	Determination of certain substances in electrotechnical products — Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)	≥ 500 mg/kg	BS-1	N
KS C IEC 62321:2009	Indoor and Other Environment	Electrotechnical products — Determination of levels of six regulated substances(lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)	Pb : ≥ 10 mg/kg Hg : ≥ 1 mg/kg Cd : ≥ 5 mg/kg Cr ⁶⁺ : ≥ 2 mg/kg PBBs & PBDEs : ≥ 5 mg/kg	BS-1	N
KS C IEC 62321-7-1:2015	Indoor and Other Environment	Determination of certain substances in electrotechnical products — Part 7-1: Hexavalent chromium — Presence of hexavalent chromium(Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method	Cr ⁶⁺ : ≥ 2 mg/kg	BS-1	N
IEC 62321-7-2:2017	Indoor and Other Environment	Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium[Cr(VI)] in polymers and electronics by the colorimetric method	Cr ⁶⁺ : ≥ 2 mg/kg	BS-1	N

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02 Chemical Testing

02.025 Indoor and Other Environment

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS C IEC 62321-7-2:2017	Indoor and Other Environment	Determination of certain substances in electrotechnical products — Part 7-2:Hexavalent chromium — Determination of hexavalent chromium[Cr(VI)] in polymers and electronics by the colorimetric method	$\text{Cr}^{6+} : \geq 2 \text{ mg/kg}$	BS-1	N
VDA 275:1994	Indoor and Other Environment	Modulded composites and fleeces for vehicles Determination of formaldehyde release Test procedure called modified flask method	$\geq 0.5 \text{ mg/kg}$	BS-1	N
VDA 276:2005	Indoor and Other Environment	Determination Of Organic Substances As Emitted From Automotive Interior Products Using A 1 m ³ Test Cabinet - Part1:Standard -Emission	$\geq 1 \mu\text{g}/\text{m}^3$	BS-1	N
VDA 278:2011	Indoor and Other Environment	Thermal Desorption Analysis Of Organic Emissions For The Characterization Of Non-Metallic Materials For Automobiles	$\geq 1 \mu\text{g}/\text{g}$	BS-1	N
ISO 12219-4:2013	Indoor and Other Environment	Interior air of road vehicles -- Part 4: Method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials -- Small chamber method	$\geq 10 \mu\text{g}/\text{m}^3$	BS-1	N
KS I ISO 12219-4:2013	Indoor and Other Environment	Interior air of road vehicles — Part 4: Method for the determination of the emissions of volatile compounds from vehicle interior parts and materials — Small chamber method	$\geq 10 \mu\text{g}/\text{m}^3$	BS-1	N
KS I ISO 12219-3:2012	Indoor and Other Environment	Interior air of road vehicles — Part 3: Screening method for the determination of the emissions of volatile organic compounds from vehicle interior parts and materials — Micro-scale chamber method	$\geq 0.005 \text{ mg}/(\text{m}^2 \cdot \text{h})$	BS-1	N

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02 Chemical Testing

02.025 Indoor and Other Environment

Test method	Products and materials	Standard designation	Test range	Site	Field testing
EN 717-3:1996	Indoor and Other Environment	Wood-based panels - Determination of formaldehyde release. Formaldehyde release by the flask method	≥ 0.25 mg/kg	BS-1	N
JIS A 1901:2015	Indoor and Other Environment	Determination of the emission of volatile organic compounds and aldehydes by building products-Small chamber method	≥ 0.001 mg/(m ² ·h)	BS-1	N
KS M 1998:2017	Indoor and Other Environment	Determination of the emission rate of formaldehyde and volatile organic compounds in building interior products	≥ 0.001 mg/(m ² ·h)	BS-1	N
KATS Notice No.2021-0483 (10.15.2021.)	Indoor and Other Environment	Safety Standard Part 23 Wallpapers and floor coverings on a base of paper	-	BS-1	N
		4.1.2 Formaldehyde	≥ 0.1 mg/L		
		4.1.5 Phthalate plasticizers	≥ 0.01 % each		
		4.1.6 Total Lead content	≥ 10 mg/kg		
		4.1.7 Total Cadmium content	≥ 10 mg/kg		
KS M 7305:2017	Indoor and Other Environment	Wall paper and wall coverings for decorative finish	-	BS-1	N
		5.3.6 Formaldehyde	≥ 0.1 mg/L		
JIS A 6921:2014	Indoor and Other Environment	Wallpaper and wallcovering for decorative finish	-	BS-1	N
		6.3.6 Formaldehyde release	≥ 0.5 mg/L		
MOTIE Notice No.2020-020 (03.01.2020.)	Indoor and Other Environment	Supplier's Confirmation of Conformity Part 14 Furniture for Children	-	BS-1	N
		6.9.8 Formaldehyde, Toluene, total volatile organic compounds	≥ 0.001 mg/(m ² ·h)		

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02 Chemical Testing

02.025 Indoor and Other Environment

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KATS Notice No.2020-0037 (03.01.2020.)	Indoor and Other Environment	Supplier's Confirmation of Conformity Part 3 Furniture(household drawers and office filing cabinet over 762mm in height)	-	BS- 1	N
		5.1 Hazardous chemical materials	-		
		5.1.1 Formaldehyde, Toluene, total volatile organic compounds	$\geq 0.001 \text{ mg}/(\text{m}^2 \cdot \text{h})$		

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 3071:2020	Textiles	Textiles — Determination of pH of aqueous extract	(1.00 ~ 14.00), 0.01	BS-1	N
JIS L 1096:2010	Textiles	Test methods for woven and knitted fabrics	-	BS-1	N
		8.37 pH of extracted solution	(1.00 ~ 14.00), 0.01		
AATCC 81:2016	Textiles	pH of the Water-Extract from Wet Processed textiles	(1.00 ~ 14.00), 0.01	BS-1	N
ISO 3071:2020	Textiles	Textiles-Determination of pH of the aqueous extract	(1.00 ~ 14.00), 0.01	BS-1	N
KS K ISO 14184-1:1998	Textiles	Textiles — Determination of formaldehyde — Part 1 : Free and hydrolized formaldehyde (water extraction method)	≥ 20 mg/kg	BS-1	N
JIS L 1041:2011	Textiles	Test method for resin finished textiles	Formaldehyde : ≥ 1 mg/kg	BS-1	N
AATCC 112:2020	Textiles	Formaldehyde release from fabric, determination of : Sealed jar method	≥ 20 mg/kg	BS-1	N
ISO 14184-1:2011	Textiles	Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)	≥ 16 mg/kg	BS-1	N
ISO 14184-2:2011	Textiles	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapour absorption method)	≥ 20 mg/kg	BS-1	N

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 0731:2017	Textiles	Test method for the determination of extractable heavy metals in textiles	Co : ≥ 0.5 mg/kg As : ≥ 0.1 mg/kg Ni : ≥ 0.5 mg/kg Cd : ≥ 0.05 mg/kg Cr : ≥ 0.5 mg/kg Pb : ≥ 0.1 mg/kg Hg : ≥ 0.01 mg/kg Cu : ≥ 1.0 mg/kg Sb : ≥ 5.0 mg/kg Cr(VI) : ≥ 0.3 mg/kg	BS-1	N
KS K 0733:2017	Textiles	Test method for determination of the pentachlorophenol content in textiles and/or leathers	≥ 0.2 mg/kg	BS-1	N
OEKO-Tex Standard 100	Textiles	Determination of the harmful materials	-	BS-1	N
		pH value	(1.00 ~ 14.00), 0.01		
		Formaldehyde	≥ 10 mg/kg		
		Extractable heavy metal	Co : ≥ 0.5 mg/kg As : ≥ 0.1 mg/kg Ni : ≥ 0.5 mg/kg Cd : ≥ 0.05 mg/kg Cr : ≥ 0.5 mg/kg Pb : ≥ 0.1 mg/kg Hg : ≥ 0.01 mg/kg Cu : ≥ 1.0 mg/kg Sb : ≥ 5.0 mg/kg Cr(VI) : ≥ 0.3 mg/kg		
		Heavy metal in digested sample	Pb : ≥ 10 mg/kg Cd : ≥ 5 mg/kg		
		Pesticides	≥ 0.1 mg/kg		
		Chlorinated Phenols	≥ 0.04 mg/kg		
		Plasticisers (Phthalates)	≥ 50 mg/kg		

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		Organic tin compounds	MBT : ≥ 0.5 mg/kg MOT : ≥ 0.5 mg/kg TOT : ≥ 0.5 mg/kg TBT : ≥ 0.01 mg/kg TphT : ≥ 0.1 mg/kg DBT : ≥ 0.5 mg/kg DOT : ≥ 0.5 mg/kg		
		PFOS/PFOA	PFOS : ≥ 0.5 ug/m ² PFOA : ≥ 0.01 mg/kg		
		DMFu	≥ 0.05 mg/kg		
		OPP	≥ 10 mg/kg		
		SCCP(C10-C13)	≥ 0.01 %		
		TCEP	≥ 0.01 %		
		Humanecologically critical colorants (Azo-colorants(=arylamines), carcinogenic, allergenic, other banned dyestuffs)	≥ 5 mg/kg		
		Chlorinated benzenes and toluenes	≥ 0.1 mg/kg		
		PAH	≥ 0.2 mg/kg		
		Solvent residues	≥ 0.01 %		
		Surfactant, wetting agent residue	NP, OP : ≥ 2 mg/kg OP(EO)1-20, NP(EO)1-20 : ≥ 30 mg/kg		
		Flame retardant	SCCP, TCEP : ≥ 0.01 % Others : ≥ 5 mg/kg		
KS K 0737:2019	Textiles	Test method for determination of selected organotin compounds content in textiles	Each ≥ 0.3 mg/kg	BS-1	N
KS K 0732:2017	Textiles	Test method for the determination of pesticides in textiles	≥ 0.10 mg/kg	BS-1	N
KS K 0730:2017	Textiles	Test method for residual vinyl chloride monomer content of poly(vinyl chloride) fiber and resins	≥ 5 mg/kg	BS-1	N

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02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 0735:2017	Textiles	Test method for the determination of carcinogenic dyes in textiles	9 elements Each ≥ 20 mg/kg	BS-1	N
KS K 0736:2019	Textiles	Test method for determination of allergenic disperse dyes content in textiles	22 elements Each ≥ 20 mg/kg	BS-1	N
DIN 54231:2005	Textiles	Textiles - Detection of disperse dyestuffs	9 elements Each ≥ 1 mg/L	BS-1	N
KS K 0147:2015	Textiles	Test method for determination of aryl amine level on the dyestuff and dyed products	24 elements Each ≥ 5 mg/kg	BS-1	N
KS K 0147:2021	Textiles	Test method for determination of aryl amine level on the dyestuff and dyed products	24 elements Each ≥ 5 mg/kg	BS-1	N
KS K 0734:2019	Textiles	Test method for determination of arylamines content in polyester textiles	24 elements Each ≥ 5 mg/kg	BS-1	N
GB/T 7573:2009	Textiles	Textiles - Determination of pH of aqueous extract	(1.00 ~ 14.00), 0.01	BS-1	N
GB/T 17592:2011	Textiles	Textile - Determination of the banned azo colourants	24 elements Each ≥ 5 mg/kg	BS-1	N
GB/T 2912.1:2009	Textiles	Textiles - Determination of formaldehyde - Part 1 : Free and hydrolyzed formaldehyde (water extraction method)	≥ 20 mg/kg	BS-1	N
GB/T 2912.2:2009	Textiles	Textiles - Determination of formaldehyde - Part 2 : Released formaldehyde (vapour absorption method)	≥ 20 mg/kg	BS-1	N
BS EN ISO 3071:2020	Textiles	Textiles - Determination of pH of aqueous extract	(1.00 ~ 14.00), 0.01	BS-1	N
DIN EN ISO 3071:2020	Textiles	Textiles - Determination of pH of aqueous extract	(1.00 ~ 14.00), 0.01	BS-1	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS EN ISO 14362-1:2017	Textiles	Textile, Method for the determination of certain aromatic amines derived from azo colorants	22 elements Each ≥ 5 mg/kg	BS-1	N
KATS Notice No.2018-195(06.29.2018.)	Textiles	Safety Standard Part 2 Carpets Appendix A Quantitative analysis of TDBPP[tri(2,3-dibromopropyl)phosphate]	- TDBPP : ≥ 5 mg/kg	BS-1	N
GB/T 23344:2009	Textiles	Textiles - Determination of 4-aminoazobenzene	≥ 5 mg/kg	BS-1	N
BS EN ISO 14362-3:2017	Textiles	Textiles. Methods for determination of certain aromatic amines derived from azo colorants. Detection of the use of certain azo colorants, which may release 4-aminoazobenzene.	≥ 5 mg/kg	BS-1	N
IWTO-2:2007	Textiles	METHOD FOR THE DETERMINATION OF THE pH VALUE OF A WATER EXTRACT OF WOOL	(1.00 ~ 14.00) 0.01	BS-1	N
DIN CEN/TS 15968:2010-11	Textiles	Determination of extractable perfluorooctanesulfonate (PFOS) in coated and impregnated solid articles, liquids and fire fighting foams - Method for sampling, extraction and analysis by LC-qMS or LC-tandem/MS;	≥ 1.0 $\mu\text{g}/\text{m}^2$ ≥ 0.1 mg/kg	BS-1	N
BS EN 17137:2018	Textiles	Textiles - Determination of the content of compounds based on chlorobenzenes and chlorotoluenes	≥ 0.1 mg/kg	BS-1	N
KS K 0739:2017	Textiles	Textile — Methods for determination of certain aromatic amines derived from azo colorants — Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene	≥ 5 mg/kg	BS-1	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
JIS L 1940-1:2019	Textiles	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres	22 elements Each ≥ 5 mg/kg	BS-1	N
JIS L 1940-3:2019	Textiles	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene	≥ 5 mg/kg	BS-1	N
ISO 14362-1:2017	Textiles	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres	22 elements Each ≥ 5 mg/kg	BS-1	N
ISO 14362-3:2017	Textiles	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene	≥ 5 mg/kg	BS-1	N
GB/T 30157-2013	Textiles	Textiles - Determination of total content of lead and cadmium	Pb : (2.5 ~ 1 000) mg/kg, Cd : (0.25 ~ 1 000) mg/kg	BS-1	N
GB/T 20388-2016	Textiles	Textiles - Determination of the phthalate content - Tetrahydrofuran method	Each compound (0.1 ~ 10) %	BS-1	N
ISO 18254-1:2016	Textiles	Textiles - Method for the detection and determination of alkylphenol ethoxylates (APEO) - Part 1: Method using HPLC-MS	Total ≥ 30 mg/kg	BS-1	N

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
MOTIE Notice No.2021-0171 (10.27.2021.)	Textiles	Safety Confirmation Standards Part 1 Textile products for infant	-	BS- 1	N
		6.2.1 Formaldehyde content	≥ 20 mg/kg		
		6.2.2 Organotin compounds content	DBT : ≥ 0.5 TBT : ≥ 0.3		
		6.2.3 Aryl Amine content	24 elements Each ≥ 5 mg/kg		
		6.2.4 The total content of Phthalate plasticizers	≥ 0.01 % each		
		6.2.5 Flame resistant	-		
		6.2.5.1 PentaBDE, OctaBDE	≥ 500 mg/kg		
		6.2.5.2 TDBPP	≥ 5 mg/kg		
		6.2.6 pH	(1.00 ~ 14.00), 0.01		
		6.2.7 Total Lead content	≥ 10 mg/kg		
		6.2.8 Total Cadmium content	≥ 10 mg/kg		
		6.2.9 Allergic dyes	22 elements Each ≥ 20 mg/kg		
		6.2.10 Nickel release	≥ 0.1 ($\mu\text{g}/\text{cm}^2/\text{week}$)		
		6.2.11 Nonyl Phenols	-		
		6.2.11.1 NP(Nonylphenol)	2 elements Each ≥ 3 mg/kg		
		6.2.11.2 NPEO(Nonylphenoethylates)	Total ≥ 30 mg/kg		
Appendix A Quantitative analysis of Nonylphenols (NPs)	2 elements Each ≥ 3 mg/kg				

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
MOTIE Notice No.2021-0171 (10.27.2021.)	Textiles	Supplier's Confirmation of Conformity Part 15 Textile Products for Children	-	BS-1	N
		6.2.1 pH	(1.00 ~ 14.00), 0.01		
		6.2.2 Formaldehyde	≥ 20 mg/kg		
		6.2.3 Aryl Amine	24 elements Each ≥ 5 mg/kg		
		6.2.4 The total content of Phthalate plasticizers	≥ 0.01 % each		
		6.2.5 Organotin compounds	TBT : ≥ 0.3 mg/kg		
		6.2.6 flame resistant	-		
		6.2.6.1 PentaBDE, OctaBDE	≥ 500 mg/kg		
		6.2.6.2 TDBPP	≥ 5 mg/kg		
		6.2.7 Total Lead content	≥ 10 mg/kg		
		6.2.8 Total Cadmium content	≥ 10 mg/kg		
		6.2.9 Allergic dyes	22 elements Each ≥ 20 mg/kg		
		6.2.10 Nickel release	≥ 0.1 (µg/cm ² /week)		
		6.2.11 Nonyl Phenols	-		
		MOTIE Notice No.2018-0031 (03.05.2018.)	Textiles		
5.2.2 Chlorinated phenols content	≥ 0.2 mg/kg				
5.2.5 Aryl amine content	24 elements Each ≥ 5 mg/kg				
5.2.7 Organotin compounds content	DBT: ≥ 0.5 mg/kg TBT : ≥ 0.3 mg/kg				

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
MOTIE Notice No.2020-020 (03.01.2020.)	Textiles	Supplier's Confirmation of Conformity Part 14 Furniture for Children	-	BS-1	N
		6.9.1 Pentachlorophenol(PCP)	≥ 0.2 mg/kg		
		6.9.4 Arylamine	24 elements Each ≥ 5 mg/kg		
		6.9.5 Formaldehyde in textile and leather products	≥ 20 mg/kg		
		6.9.6 Organotin compounds (TBT)	≥ 0.3 mg/kg		
MOTIE Notice No.2021-229 (12.29.2021.)	Textiles	Safety Standard for Children's Product	-	BS-1	N
		4.1.5 Formaldehyde	≥ 20 mg/kg		
		4.1.6 Aryl Amine	24 elements Each ≥ 5 mg/kg		
		4.1.7 pH	(1.00 ~ 14.00), 0.01		
MOTIE Notice No.2021-0132 (07.19.2021.)	Textiles	Safety Standard for Children's Product	-	BS-1	N
		4.1.5 Formaldehyde	≥ 20 mg/kg		
		4.1.6 Aryl Amine	24 elements Each ≥ 5 mg/kg		
		4.1.7 pH	(1.00 ~ 14.00), 0.01		
KATS Notice No.2019-0075 (04.26.2019.)	Textiles	Supplier's Confirmation of Conformity Part 8 Eyelid tape	-	BS-1	N
		4.1 heavy metals(Pb, As) content	Pb : ≥ 0.1 mg/kg, As : ≥ 0.1 mg/kg		
		4.4 organotin compounds	DBT: ≥ 0.5 mg/kg TBT : ≥ 0.3 mg/kg		

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02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KATS Notice No.2017-032 (02.08.2017.)	Textiles	Safety Confirmation Standards Part 69 Nursing Pads	-	BS-1	N
		6.1 pH	(1.00 ~ 14.00), 0.01		
		6.3 Formaldehyde content	≥ 20 mg/kg		
		6.4 Chlorinated phenols content	≥ 0.2 mg/kg		
		6.5 Aryl amine content	24 elements Each ≥ 5 mg/kg		
		6.6 Lead and Cadmium content	Each ≥ 10 mg/kg		
KATS Notice No.2021-0492 (10.26.2021.)	Textiles	Supplier's Confirmation of Conformity Part 17 Masks for cold weather, fashion, and sports	-	BS-1	N
		4.1 Formaldehyde	≥ 20 mg/kg		
		4.2 Aryl amine	24 elements Each ≥ 5 mg/kg		
		4.3 pH	(1.00 ~ 14.00), 0.01		
		4.5 Organotin compounds content	TBT : ≥ 0.3		
		4.6 Allergic dyes	22 elements Each ≥ 20 mg/kg		
		4.7 Dimethylfuramate	≥ 0.05 mg/kg		
		4.8 Hazardous element content	≥ 10 mg/kg Each		
		4.9 Phthalate plasticizers	≥ 0.01 % each		

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02 Chemical Testing

02.027 Leather

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M 6882:2020	Leather	Testing method for leathers	-	BS-1	N
		7.10 pH	(1.00 ~ 14.00), 0.01		
ISO 17075-1:2017	Leather	Leather -- Chemical determination of chromium(VI) content in leather -- Part 1: Colorimetric method	≥ 0.5 mg/kg	BS-1	N
KS M ISO 17075:2007	Leather	Leather — Chemical tests — Determination of chromium(VI) content	≥ 0.5 mg/kg	BS-1	N
KS M ISO 17075-1:2017	Leather	Leather — Chemical determination of chromium(VI) content in leather — Part 1: Colorimetric method	≥ 0.5 mg/kg	BS-1	N
KS M ISO 17226-1:2018	Leather	Leather — Chemical determination of formaldehyde content — Part 1: Method using high performance liquid chromatography	≥ 10 mg/kg	BS-1	N
KS M ISO 17226-2:2018	Leather	Leather — Chemical determination of formaldehyde content — Part 2: Method using colorimetric analysis	≥ 10 mg/kg	BS-1	N
KS M ISO 17226-3:2011	Leather	Leather — Chemical determination of formaldehyde content — Part 3 : Determination of formaldehyde emissions from leather	≥ 10 mg/kg	BS-1	N
BS EN ISO 17070:2015	Leather	Leather. Chemical tests. Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content	Each ≥ 0.1 mg/kg Except 8.1 (Steam distillation)	BS-1	N
MOTIE Notice No.2021-0171 (10.27.2021)	Leather	Safety Confirmation Standards Part 1 Textile products for infant	-	BS-1	N
		Appendix B Quantitative analysis of Dimethylfumarate	≥ 0.05 mg/kg		

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02 Chemical Testing

02.027 Leather

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 17234-1:2020	Leather	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants	24 elements Each ≥ 5 mg/kg	BS-1	N
ISO 17234-2:2011	Leather	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4-aminoazobenzene	≥ 5 mg/kg	BS-1	N
KS M ISO 17234-2: 2011	Leather	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4-aminoazobenzene	≥ 5 mg/kg	BS-1	N
GB/T 19941.1:2019	Leather	Leather and fur-Determination of formaldehyde content-Part1:High performance liquid chromatography method	≥ 10 mg/kg	BS-1	N
GB/T 19941.2:2019	Leather	Leather and fur-Determination of formaldehyde content-Part2:Colorimetric method	≥ 10 mg/kg	BS-1	N
GB/T 19941.3:2019	Leather	Leather and fur-Determination of formaldehyde content-Part3:Formaldehyde emissions	≥ 10 mg/kg	BS-1	N
GB/T 19942:2019	Leather	Leather and fur-Chemical tests-Determination of banned azo colorants	24 elements Each ≥ 5 mg/kg	BS-1	N
KS M ISO 4045:2018	Leather	Leather — Chemical tests — Determination of pH and difference figure	(1.00 ~ 14.00) 0.01	BS-1	N
ISO 4045:2018	Leather	Leather - Chemical tests - Determination of pH and difference figure	(1.00 ~ 14.00) 0.01	BS-1	N

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02 Chemical Testing

02.027 Leather

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M ISO 17234-1:2015	Leather	Leather — Chemical tests for the determination of certain azo colorants in dyed leathers — Part 1: Determination of certain aromatic amines derived from azo colorants	24 elements Each ≥ 5 mg/kg	BS-1	N
ISO/TS 16186:2012	Leather	Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine dimethyl fumarate (DMFU) in footwear materials	(0.05 ~ 24 000) mg/kg	BS-1	N
ISO 16186:2021	Leather	Footwear - Critical substances potentially present in footwear and footwear components - Determination of dimethyl fumarate (DMFU)	(0.05 ~ 24 000) mg/kg	BS-1	N
MOTIE Notice No.2018-0031 (03.05.2018.)	Leather	Supplier's Confirmation of Conformity Part 1 Leather Products for Children	-	BS-1	N
		5.2.1 Formaldehyde content	≥ 10 mg/kg		
		5.2.3 Chromium(VI) content	≥ 0.5 mg/kg		
		5.2.4 Dimethylfumarate	(0.05 ~ 24 000) mg/kg		
MOTIE Notice No.2020-020 (03.01.2020.)	Leather	Supplier's Confirmation of Conformity Part 14 Furniture for Children	-	BS-1	N
		6.9.2 Hexavalent chromium	≥ 0.5 mg/kg		
		6.9.3 Dimethylfumarate	≥ 0.05 mg/kg		

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS EN 71-3:2019	Children's Products	Safety of toys-part 3 : Migration of certain elements	-	BS- 1	N
		- Sb, Ba, Cd, Cr, Pb, Se	≥ 5 mg/kg		
		- As, Hg	≥ 2 mg/kg		
ASTM F963-17	Children's Products	Standard Consumer Safety Specification for Toy Safety	-	BS- 1	N
		4.3.5 Heavy Element	-		
		- Sb, Ba, Cd, Cr, Pb, Se	≥ 5 mg/kg		
		- As, Hg	≥ 2 mg/kg		
		4.3.5.1(2) Paint and Similar Surface-Coating Materials	≥ 10 mg/kg		
4.3.5.2 Toy substrate material	≥ 10 mg/kg				
ISO 8124-3:2020	Children's Products	Safety of toys-Part 3 : Migration of certain elements	-	BS- 1	N
		- Sb, Ba, Cd, Cr, Pb, Se	≥ 5 mg/kg		
		- As, Hg	≥ 2 mg/kg		
US CPSC 16 CFR 1303	Children's Products	Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead- Containing Paint	≥ 10 mg/kg	BS- 1	N
KS M ISO 787-9:1981	Children's Products	General methods of test for pigments and extenders — Part 9 : Determination of pH value of an aqueous suspension	(1.00 ~ 14.00) 0.01	BS- 1	N
BS EN 71-7:2014+A3:2 020	Children's Products	Safety of toys - Part 7 : Finger Paints - Requirements and test methods	-	BS- 1	N
		4.4 Migration of certain elements	-		
		- Sb, Ba, Cd, Cr, Pb, Se	≥ 5 mg/kg		
		- As, Hg	≥ 2 mg/kg		

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
EN 71-7:2014+A3:2 020	Children's Products	Safety of toys - Part 7 : Finger Paints - Requirements and test methods	-	BS- 1	N
		4.4 Migration of certain elements	-		
		- Sb, Ba, Cd, Cr, Pb, Se	≥ 5 mg/kg		
		- As, Hg	≥ 2 mg/kg		
BS EN 71-10:2005	Children's Products	Safety of toys - Part 10 : Organic chemical compounds - Sample preparation and extraction	-	BS- 1	N
		6.4 Extraction	-		
		- Acrylamide	≥ 0.02 mg/L		
		- Bisphenol A	≥ 0.05 mg/L		
		- Formaldehyde	≥ 1 mg/L		
		- Phenol	≥ 1 mg/L		
		- Styrene	≥ 0.5 mg/L		
		- Trichloroethylene	≥ 0.01 mg/L		
		- Dichloromethane	≥ 0.02 mg/L		
		- 2-methoxy-ethyl acetate	≥ 0.05 mg/L		
		- 2-ethoxy-ethanol	≥ 0.05 mg/L		
		- 2-ethoxy-ethyl acetate	≥ 0.05 mg/L		
		- bis(2-methoxy-ethyl) ether	≥ 0.05 mg/L		
		- 2-methoxy-propyl acetate	≥ 0.05 mg/L		
		- Methanol	≥ 0.5 mg/L		
		- Nitrobenzene	≥ 0.01 mg/L		
		- Cyclohexanone	≥ 0.1 mg/L		
		- 3,5,5-Trimethyl-2-cyclohexene-1-one	≥ 0.3 mg/L		
		- Toluene	≥ 0.1 mg/L		
- Ethylbenzene	≥ 0.1 mg/L				
- Xylene(o-,m-,p-)	≥ 0.1 mg/L				

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02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		7. Inhalation	-		
		- Toluene	$\geq 100 \mu\text{g}/\text{m}^3$		
		- Ethylbenzene	$\geq 2\ 500 \mu\text{g}/\text{m}^3$		
		- Xylene	$\geq 500 \mu\text{g}/\text{m}^3$		
		- 1,3,5-Trimethylbenzene (mesitylene)	$\geq 1\ 500 \mu\text{g}/\text{m}^3$		
		- Trichloroethylene	$\geq 30 \mu\text{g}/\text{m}^3$		
		- Dichloromethane	$\geq 1\ 500 \mu\text{g}/\text{m}^3$		
		- n-Hexane	$\geq 1\ 000 \mu\text{g}/\text{m}^3$		
		- Nitrobenzene	$\geq 30 \mu\text{g}/\text{m}^3$		
		- Cyclohexanone	$\geq 50 \mu\text{g}/\text{m}^3$		
		- 3,5,5-Trimethyl-2-cyclohexane-1-one	$\geq 100 \mu\text{g}/\text{m}^3$		
		8. Specific sampling and extraction procedures	-		
		8.1 Textiles -- Flame retardants, colourants and primary aromatic amines	-		
		8.1.1 Flame retardants	-		
		- Tri-o-cresyl phosphate	$\geq 10 \text{ mg}/\text{kg}$		
		- Tris(2-chloroethyl) phosphate	$\geq 10 \text{ mg}/\text{kg}$		
		- Pentabromodiphenyl ether(total of 3 isomers)	$\geq 100 \text{ mg}/\text{kg}$		
		- Octabromodiphenyl ether(total of 4 isomers)	$\geq 100 \text{ mg}/\text{kg}$		
		8.1.2 8.1.3 colourants	-		
		- Disperse Blue 1	$\geq 5 \text{ mg}/\text{kg}$		
		- Disperse Blue 3			
		- Disperse Blue 106			
		- Disperse Blue 124			
		- Disperse Yellow 3			

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		- Disperse Orange 3			
		- Disperse Orange 37/76			
		- Disperse Red 1			
		- Solvent Yellow 1			
		- Solvent Yellow 2			
		- Solvent Yellow 3			
		- Basic Red 9			
		- Basic Violet 1			
		- Basic Violet 3			
		- Acid Red 26			
		- Acid Violet 49			
		8.1.2, 8.1.4 primary aromatic amines	-		
		- Benzidine			
		- 2-Naphthylamine			
		- 4-Chloroaniline			
		- 3,3'-Dichlorobenzidine			
		- 3,3'-Dimethoxybenzidine	≥ 3 mg/kg		
		- 3,3'-Dimethylbenzidine			
		- o-Toluidine			
		- 2-Methoxyaniline(o-Anisidine)			
		- Aniline			
		8.2 Leather -- Colourants, primary aromatic amines and preservatives	-		
		8.2.1 Colourants	-		
		- Disperse Blue 1			
		- Disperse Blue 3			
		- Disperse Blue 106	≥ 5 mg/kg		
		- Disperse Blue 124			

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		- Disperse Yellow 3			
		- Disperse Orange 3			
		- Disperse Orange 37/76			
		- Disperse Red 1			
		- Solvent Yellow 1			
		- Solvent Yellow 2			
		- Solvent Yellow 3			
		- Basic Red 9			
		- Basic Violet 1			
		- Basic Violet 3			
		- Acid Red 26			
		- Acid Violet 49			
		8.2.2 Primary aromatic amines	-		
		- Benzidine			
		- 2-Naphthylamine			
		- 4-Chloroaniline			
		- 3,3'-Dichlorobenzidine			
		- 3,3'-Dimethoxybenzidine	≥ 3 mg/kg		
		- 3,3'-Dimethylbenzidine			
		- o-Toluidine			
		- 2-Methoxyaniline(o-Anisidine)			
		- Aniline			
		8.2.3 Preservatives	-		
		- Phenol	≥ 5 mg/kg		
		- 1,2-Benzylisothiazolin-3-one	≥ 5 mg/kg		
		- 2-Methyl-4-isothiazolin-3-one	≥ 5 mg/kg		
		- 5-Chloro-2-methyl-4-isothiazolin-3-one	≥ 10 mg/kg		

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02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing	
		- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one	≥ 15 mg/kg			
		- Formaldehyde (free)	≥ 20 mg/kg			
		8.3 Wood -- Colourants, primary aromatic amines and wood preservatives	-			
		8.3.1 Colourants	-			
		- Disperse Blue 1	≥ 5 mg/kg			
		- Disperse Blue 3				
		- Disperse Blue 106				
		- Disperse Blue 124				
		- Disperse Yellow 3				
		- Disperse Orange 3				
		- Disperse Orange 37/76				
		- Disperse Red 1				
		- Solvent Yellow 1				
		- Solvent Yellow 2				
		- Solvent Yellow 3				
		- Basic Red 9				
		- Basic Violet 1				
		- Basic Violet 3				
		- Acid Red 26				
		- Acid Violet 49				
		8.3.2 Primary aromatic amines		-		
		- Benzidine		≥ 3 mg/kg		
		- 2-Naphthylamine				
		- 4-Chloroaniline				
		- 3,3'-Dichlorobenzidine				

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		- 3,3'-Dimethoxybenzidine			
		- 3,3'-Dimethylbenzidine			
		- o-Toluidine			
		- 2-Methoxyaniline(o-Anisidine)			
		- Aniline			
		8.3.3 Wood preservatives	-		
		- Cyfluthrin	≥ 2 mg/kg		
		- Cypermethrin	≥ 2 mg/kg		
		- Deltamethrin	≥ 2 mg/kg		
		- Permethrin	≥ 2 mg/kg		
		8.4 Paper — Colourants and primary aromatic amines	-		
		8.4.1 Colourants	-		
		- Disperse Blue 1			
		- Disperse Blue 3			
		- Disperse Blue 106			
		- Disperse Blue 124			
		- Disperse Yellow 3			
		- Disperse Orange 3			
		- Disperse Orange 37/76			
		- Disperse Red 1			
		- Solvent Yellow 1			
		- Solvent Yellow 2			
		- Solvent Yellow 3			
		- Basic Red 9			
			≥ 5 mg/kg		

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		- Basic Violet 1			
		- Basic Violet 3			
		- Acid Red 26			
		- Acid Violet 49			
		8.4.2 Primary aromatic amines	-		
		- Benzidine			
		- 2-Naphthylamine			
		- 4-Chloroaniline			
		- 3,3'-Dichlorobenzidine			
		- 3,3'-Dimethoxybenzidine	≥ 3 mg/kg		
		- 3,3'-Dimethylbenzidine			
		- o-Toluidine			
		- 2-Methoxyaniline(o-Anisidine)			
		- Aniline			
		8.5 Aqueous liquids - Colourants, primary aromatic amines and preservatives	-		
		8.5.1 Colourants	-		
		- Disperse Blue 1			
		- Disperse Blue 3			
		- Disperse Blue 106			
		- Disperse Blue 124			
		- Disperse Yellow 3			
		- Disperse Orange 3	≥ 5 mg/kg		
		- Disperse Orange 37/76			
		- Disperse Red 1			
		- Solvent Yellow 1			
		- Solvent Yellow 2			

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		- Solvent Yellow 3			
		- Basic Red 9			
		- Basic Violet 1			
		- Basic Violet 3			
		- Acid Red 26			
		- Acid Violet 49			
		8.5.2 Primary aromatic amines	-		
		- Benzidine			
		- 2-Naphthylamine			
		- 4-Chloroaniline			
		- 3,3'-Dichlorobenzidine			
		- 3,3'-Dimethoxybenzidine	≥ 3 mg/kg		
		- 3,3'-Dimethylbenzidine			
		- o-Toluidine			
		- 2-Methoxyaniline(o-Anisidine)			
		- Aniline			
		8.5.3 Preservatives	-		
		- Phenol	≥ 5 mg/kg		
		- 1,2-Benzylisothiazolin-3-one	≥ 5 mg/kg		
		- 2-Methyl-4-isothiazolin-3-one	≥ 5 mg/kg		
		- 5-Chloro-2-methyl-4-isothiazolin-3-one	≥ 10 mg/kg		
		- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one	≥ 15 mg/kg		
		- Formaldehyde (free)	≥ 20 mg/kg		
		8.6 Solid toy materials intended to leave a trace - Colourants and primary aromatic amines	-		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		8.6.1 Colourants	-		
		- Disperse Blue 1	≥ 5 mg/kg		
		- Disperse Blue 3			
		- Disperse Blue 106			
		- Disperse Blue 124			
		- Disperse Yellow 3			
		- Disperse Orange 3			
		- Disperse Orange 37/76			
		- Disperse Red 1			
		- Solvent Yellow 1			
		- Solvent Yellow 2			
		- Solvent Yellow 3			
		- Basic Red 9			
		- Basic Violet 1			
		- Basic Violet 3			
		- Acid Red 26			
		- Acid Violet 49			
		8.6.2 Primary aromatic amines	-		
		- Benzidine	≥ 3 mg/kg		
		- 2-Naphthylamine			
		- 4-Chloroaniline			
		- 3,3'-Dichlorobenzidine			
		- 3,3'-Dimethoxybenzidine			
		- 3,3'-Dimethylbenzidine			
		- o-Toluidine			
		- 2-Methoxyaniline(o-Anisidine)			
		- Aniline			

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		8.7 Modelling clay, play clay and similar - Colourants, primary aromatic amines and preservatives	-		
		8.7.1 Colourants	-		
		- Disperse Blue 1	≥ 5 mg/kg		
		- Disperse Blue 3			
		- Disperse Blue 106			
		- Disperse Blue 124			
		- Disperse Yellow 3			
		- Disperse Orange 3			
		- Disperse Orange 37/76			
		- Disperse Red 1			
		- Solvent Yellow 1			
		- Solvent Yellow 2			
		- Solvent Yellow 3			
		- Basic Red 9			
		- Basic Violet 1			
		- Basic Violet 3			
		- Acid Red 26			
		- Acid Violet 49			
		8.7.2 Primary aromatic amines	-		
		- Benzidine	≥ 3 mg/kg		
		- 2-Naphthylamine			
		- 4-Chloroaniline			
		- 3,3'-Dichlorobenzidine			
		- 3,3'-Dimethoxybenzidine			
		- 3,3'-Dimethylbenzidine			
		- o-Toluidine			

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02 Chemical Testing

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		- 2-Methoxyaniline(o-Anisidine)			
		- Aniline			
		8.7.3 Preservatives	-		
		- Phenol	≥ 5 mg/kg		
		- 1,2-Benzylisothiazolin-3-one	≥ 5 mg/kg		
		- 2-Methyl-4-isothiazolin-3-one	≥ 5 mg/kg		
		- 5-Chloro-2-methyl-4-isothiazolin-3-one	≥ 10 mg/kg		
		- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one	≥ 15 mg/kg		
		- Formaldehyde (free)	≥ 20 mg/kg		
		8.8 Balloon-making compounds – Colourants and primary aromatic amines	-		
		8.8.1 Colourants	-		
		- Disperse Blue 1			
		- Disperse Blue 3			
		- Disperse Blue 106			
		- Disperse Blue 124			
		- Disperse Yellow 3			
		- Disperse Orange 3			
		- Disperse Orange 37/76	≥ 5 mg/kg		
		- Disperse Red 1			
		- Solvent Yellow 1			
		- Solvent Yellow 2			
		- Solvent Yellow 3			
		- Basic Red 9			
		- Basic Violet 1			

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		- Basic Violet 3			
		- Acid Red 26			
		- Acid Violet 49			
		8.8.2 Primary aromatic amines	-		
		- Benzidine			
		- 2-Naphthylamine			
		- 4-Chloroaniline			
		- 3,3'-Dichlorobenzidine			
		- 3,3'-Dimethoxybenzidine	≥ 3 mg/kg		
		- 3,3'-Dimethylbenzidine			
		- o-Toluidine			
		- 2-Methoxyaniline(o-Anisidine)			
		- Aniline			
		8.9 Imitation tattoos with adhesive - Colourants, primary aromatic amines and preservatives	-		
		8.9.1 Colourants	-		
		- Disperse Blue 1			
		- Disperse Blue 3			
		- Disperse Blue 106			
		- Disperse Blue 124			
		- Disperse Yellow 3			
		- Disperse Orange 3	≥ 5 mg/kg		
		- Disperse Orange 37/76			
		- Disperse Red 1			
		- Solvent Yellow 1			
		- Solvent Yellow 2			
		- Solvent Yellow 3			

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		- Basic Red 9			
		- Basic Violet 1			
		- Basic Violet 3			
		- Acid Red 26			
		- Acid Violet 49			
		8.9.2 Primary aromatic amines	-		
		- Benzidine	≥ 3 mg/kg		
		- 2-Naphthylamine			
		- 4-Chloroaniline			
		- 3,3'-Dichlorobenzidine			
		- 3,3'-Dimethoxybenzidine			
		- 3,3'-Dimethylbenzidine			
		- o-Toluidine			
		- 2-Methoxyaniline(o-Anisidine)			
		- Aniline			
		8.9.3 Preservatives			
		- Phenol	≥ 5 mg/kg		
		- 1,2-Benzylisothiazolin-3-one	≥ 5 mg/kg		
		- 2-Methyl-4-isothiazolin-3-one	≥ 5 mg/kg		
		- 5-Chloro-2-methyl-4-isothiazolin-3-one	≥ 10 mg/kg		
		- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one	≥ 15 mg/kg		
		- Formaldehyde (free)	≥ 20 mg/kg		
		EN 71-10:2005	Children's Products		

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS EN 71-11:2005	Children's Products	Safety of toys. Organic chemical compounds. Methods of analysis	-	BS- 1	N
		5.2 Flame retardants	-		
		- Tri-o-cresyl phosphate	≥ 10 mg/kg		
		- Tris(2-chloroethyl) phosphate	≥ 10 mg/kg		
		- Pentabromodiphenyl ether(total of 3 isomers)	≥ 100 mg/kg		
		- Octabromodiphenyl ether(total of 4 isomers)	≥ 100 mg/kg		
		5.3 Colourants	-		
		- Disperse Blue 1	≥ 5 mg/kg		
		- Disperse Blue 3			
		- Disperse Blue 106			
		- Disperse Blue 124			
		- Disperse Yellow 3			
		- Disperse Orange 3			
		- Disperse Orange 37/76			
		- Disperse Red 1			
		- Solvent Yellow 1			
		- Solvent Yellow 2			
		- Solvent Yellow 3			
		- Basic Red 9			
		- Basic Violet 1			
		- Basic Violet 3			
		- Acid Red 26			
		- Acid Violet 49			
5.4 Primary aromatic amines	-				
- Benzidine	≥ 3 mg/kg				
- 2-Naphthylamine					

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		- 4-Chloroaniline			
		- 3,3'-Dichlorobenzidine			
		- 3,3'-Dimethoxybenzidine			
		- 3,3'-Dimethylbenzidine			
		- o-Toluidine			
		- 2-Methoxyaniline(o-Anisidine)			
		- Aniline			
		5.5 Monomers and solvents	-		
		- Acrylamide	≥ 0.02 mg/L		
		- Bisphenol A	≥ 0.05 mg/L		
		- Formaldehyde	≥ 1 mg/L		
		- Phenol	≥ 1 mg/L		
		- Styrene	≥ 0.5 mg/L		
		- Trichloroethylene	≥ 0.01 mg/L		
		- Dichloromethane	≥ 0.02 mg/L		
		- 2-methoxy-ethyl acetate	≥ 0.05 mg/L		
		- 2-ethoxy-ethanol	≥ 0.05 mg/L		
		- 2-ethoxy-ethyl acetate	≥ 0.05 mg/L		
		- bis(2-methoxy-ethyl) ether	≥ 0.05 mg/L		
		- 2-methoxy-propyl acetate	≥ 0.05 mg/L		
		- Methanol	≥ 0.5 mg/L		
		- Nitrobenzene	≥ 0.01 mg/L		
		- Cyclohexanone	≥ 0.1 mg/L		
		- 3,5,5-Trimethyl-2-cyclohexene-1-one	≥ 0.3 mg/L		
		- Toluene	≥ 0.1 mg/L		
		- Ethylbenzene	≥ 0.1 mg/L		
		- Xylene(o-,m-,p-)	≥ 0.1 mg/L		
		5.6 Wood preservatives	-		

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		- Cyfluthrin	≥ 2 mg/kg		
		- Cypermethrin	≥ 2 mg/kg		
		- Deltamethrin	≥ 2 mg/kg		
		- Permethrin	≥ 2 mg/kg		
		5.7 Preservatives	-		
		- Phenol	≥ 5 mg/kg		
		- 1,2-Benzylisothiazolin-3-one	≥ 5 mg/kg		
		- 2-Methyl-4-isothiazolin-3-one	≥ 5 mg/kg		
		- 5-Chloro-2-methyl-4-isothiazolin-3-one	≥ 10 mg/kg		
		- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one	≥ 15 mg/kg		
		- Formaldehyde (free)	≥ 20 mg/kg		
		5.8 Plasticisers	-		
		- Triphenyl phosphate	≥ 10 mg/kg		
		- Tri-o-cresyl phosphate	≥ 10 mg/kg		
		- Tri-m-cresyl phosphate	≥ 10 mg/kg		
		- Tri-p-cresyl phosphate	≥ 10 mg/kg		
EN 71-11:2005	Children's Products	Safety of toys - Part 11 : Organic chemical compounds - Methods of analysis	-	BS-1	N
MOTIE Notice No.2020-0229(1 2.30.2020.)	Children's Products	Safety Confirmation Standards Part 6 Toys	-	BS-1	N
		Part 4:Hazardous chemical materials	-		
		4. Requirements	-		
		4.1 Migration of certain elements	Sb : ≥ 5 mg/kg As : ≥ 0.1 mg/kg Ba : ≥ 5 mg/kg Cd : ≥ 0.1 mg/kg Cr : ≥ 0.005 mg/kg		

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
			Pb : ≥ 1 mg/kg Hg : ≥ 0.5 mg/kg Se : ≥ 1 mg/kg Cu : ≥ 10 mg/kg Ni : ≥ 5 mg/kg Zn : ≥ 50 mg/kg Al : ≥ 5 mg/kg Cr(III) : ≥ 0.1 mg/kg Cr(VI) : ≥ 0.003 mg/kg B : ≥ 10 mg/kg Co : ≥ 1 mg/kg Mn : ≥ 10 mg/kg Sr : ≥ 50 mg/kg Sn : ≥ 0.2 mg/kg Organic tin : ≥ 0.1 mg/kg		
		8. Sample preparation and extraction	-		
		8.3 Lead and Cadmium	≥ 10 mg/kg each		
		8.4 Nickel release	≥ 0.1 ($\mu\text{g}/\text{cm}^2/\text{week}$)		
		8.5 Plasticiser(Phthalates)	≥ 0.01 % each		
		Part 7. Finger paints	-		
		5.2 Colourants	≥ 3 mg/kg each		
		5.3 Migration of certain elements	Sb : ≥ 5 mg/kg, Ba : ≥ 5 mg/kg, Cd : ≥ 5 mg/kg, Cr : ≥ 5 mg/kg, Pb : ≥ 5 mg/kg, Se : ≥ 5 mg/kg, As : ≥ 2 mg/kg, Hg : ≥ 2 mg/kg		
		5.4 Primary aromatic amines	≥ 3 mg/kg each		
		5.5 pH	1.0 ~ 14.0		

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		Chapter 8. Organic chemical compounds - Requirements	-		
		Chapter 9. Organic chemical compounds - Sample preparation and extraction	-		
		6. Extraction	- Acrylamide	≥ 0.01 mg/L	
			- Bisphenol A	≥ 0.05 mg/L	
			- Formaldehyde	≥ 1 mg/L	
			- Phenol	≥ 1 mg/L	
			- Styrene	≥ 0.5 mg/L	
			- Trichloro ethylene	≥ 0.01 mg/L	
			- Dichloro methane	≥ 0.02 mg/L	
			- 2-Methoxy ethyl acetate	≥ 0.05 mg/L	
			- 2-Ethoxy ethanol	≥ 0.05 mg/L	
			- 2-Ethoxy ethyl acetate	≥ 0.05 mg/L	
			- Bis(2-methoxy ethyl) ether	≥ 0.05 mg/L	
			- 2-Methoxy propyl acetate	≥ 0.05 mg/L	
			- Methanol	≥ 0.5 mg/L	
			- Nitrobenzene	≥ 0.01 mg/L	

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- Cyclohexanone	≥ 0.1 mg/L	
			- 3,5,5-Tri methyl-2-cyclohe xene-1-one	≥ 0.3 mg/L	
			- Toluene	≥ 0.1 mg/L	
			- Ethylbenzene	≥ 0.1 mg/L	
			- Xylene(all isomers)	≥ 0.1 mg/L	
		7. Inhalation	- Toluene	≥ 100 $\mu\text{g}/\text{m}^3$	
			- Ethylbenzene	$\geq 2\ 500$ $\mu\text{g}/\text{m}^3$	
			- Xylene(all isomers)	≥ 500 $\mu\text{g}/\text{m}^3$	
			- 1,3,5-Trimethyl benzene (mesitylene)	$\geq 1\ 500$ $\mu\text{g}/\text{m}^3$	
			- Trichloro ethylene	≥ 30 $\mu\text{g}/\text{m}^3$	
			- Dichloro methane	$\geq 1\ 500$ $\mu\text{g}/\text{m}^3$	
			- n-Hexane	$\geq 1\ 000$ $\mu\text{g}/\text{m}^3$	
			- Nitrobenzene	≥ 30 $\mu\text{g}/\text{m}^3$	
			- Cyclohexanone	≥ 50 $\mu\text{g}/\text{m}^3$	
			- 3,5,5-Trim ethyl-2-cyclo hexane-1-one	≥ 100 $\mu\text{g}/\text{m}^3$	

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		8.1 Textiles	-		
		8.1.1 Flameretardants	- Tri-o-cresyl phosphate	≥ 10 mg/kg	
			- Tris(2-chloro ethyl) phosphate	≥ 10 mg/kg	
			- Pentabromodi phenyl ether(total of 3 isomers)	≥ 10 mg/kg	
			- Octabromodi phenyl ether(total of 4 isomers)	≥ 15 mg/kg	
			- Tris(2-chloro-1-methylethyl)phosphate	≥ 1 mg/kg	
			- Tris(1,3-dichloro-2-propyl) phosphate	≥ 1 mg/kg	
		8.1.3 Colourants	≥ 5 mg/kg each		
		8.1.4 Primary aromatic amines	≥ 3 mg/kg each		
		8.2 Leather	-		
		8.2.1 Colourants	≥ 5 mg/kg each		
		8.2.2 Primary aromatic amines	≥ 3 mg/kg each		
		8.2.3 Preservatives	- Phenol	≥ 5 mg/kg	
			- 1,2-Benzyliso thiazolin-3-one	≥ 2 mg/kg	
			- 2-Methyl-4-iso thiazolin-3-one	≥ 0.25 mg/kg	
			- 5-Chloro-2-methyl-4-isothi azolin-3-one	≥ 0.75 mg/kg	

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one ≥ 1 mg/kg - Formaldehyde (free) ≥ 20 mg/kg		
		8.3 Wood	-		
		8.3.1 Colourants	≥ 5 mg/kg each		
		8.3.2 Primary aromatic amines	≥ 3 mg/kg each		
		8.3.3 Wood preservatives	- Cyfluthrin ≥ 2 mg/kg		
			- Cypermethrin ≥ 2 mg/kg		
			- Deltamethrin ≥ 2 mg/kg		
			- Permethrin ≥ 2 mg/kg		
			- 2,4-Dichlorophenol ≥ 1 mg/kg		
			- 2,4,6-Trichlorophenol ≥ 1 mg/kg		
			- 2,4,5-Trichlorophenol ≥ 2 mg/kg		
			- 2,3,4,6-Tetrachlorophenol ≥ 0.2 mg/kg		
			- Pentachlorophenol ≥ 0.5 mg/kg		
			- Lindane ≥ 0.5 mg/kg		
		8.4 Paper - Colourants and primary aromatic amines	-		
		8.4.1 Colourants	≥ 5 mg/kg each		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		8.4.2 Primary aromatic amines	≥ 3 mg/kg each		
		8.5 Aqueous liquids - Colourants, primary aromatic amines and preservatives	-		
		8.5.1 Colourants	≥ 5 mg/kg each		
		8.5.2 Primary aromatic amines	≥ 3 mg/kg each		
		8.5.3 Preservatives	- Phenol	≥ 5 mg/kg	
			- 1,2-Benzyliso thiazolin-3-one	≥ 2 mg/kg	
			- 2-Methyl-4-iso thiazolin-3-one	≥ 0.25 mg/kg	
			- 5-Chloro-2-methyl-4-isothi azolin-3-one	≥ 0.75 mg/kg	
			- 5-Chloro-2-methyl-4-isothi azolin-3-one + 2-methyl-4-iso thiazolin-3-one	≥ 1 mg/kg	
			- Formaldehyde (free)	≥ 20 mg/kg	
		8.6 Solid toy materials intended to leave a trace	-		
		8.6.1 Colourants	≥ 5 mg/kg each		
		8.6.2 Primary aromatic amines	≥ 3 mg/kg each		
		8.7 Modelling clay, play clay and similar	-		
		8.7.1 Colourants	≥ 5 mg/kg each		
		8.7.2 Primary aromatic amines	≥ 3 mg/kg each		

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Test method	Products and materials	Standard designation	Test range		Site	Field testing
		8.7.3 Preservatives	- Phenol	≥ 5 mg/kg		
			- 1,2-Benzyliso thiazolin-3-one	≥ 2 mg/kg		
			- 2-Methyl-4-iso thiazolin-3-one	≥ 0.25 mg/kg		
			- 5-Chloro-2-methyl-4-isothi azolin-3-one	≥ 0.75 mg/kg		
			- 5-Chloro-2-methyl-4-isothi azolin-3-one + 2-methyl-4-isothi azolin-3-one	≥ 1 mg/kg		
			- Formaldehyde (free)	≥ 20 mg/kg		
		8.8 Balloon-making compounds	-			
		8.8.1 Colourants	≥ 5 mg/kg each			
		8.8.2 Primary aromatic amines	≥ 3 mg/kg each			
		8.9 Imitaion tattoos with adhesive	-			
		8.9.1 Colourants	≥ 5 mg/kg each			
		8.9.2 Primary aromatic amines	≥ 3 mg/kg each			
		8.9.3 Preservatives	- Phenol	≥ 5 mg/kg		
			- 1,2-Benzyliso thiazolin-3-one	≥ 2 mg/kg		
			- 2-Methyl-4-iso thiazolin-3-one	≥ 0.25 mg/kg		
			- 5-Chloro-2-methyl-4-isothi azolin-3-one	≥ 0.75 mg/kg		

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02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one	≥ 1 mg/kg	
			- Formaldehyde (free)	≥ 20 mg/kg	
		Chapter 10. Organic chemical compounds - Methods of analysis	-		
		5.2 Flameretardants	- Tri-o-cresyl phosphate	≥ 10 mg/kg	
			- Tris(2-chloroethyl) phosphate	≥ 10 mg/kg	
			- Pentabromodiphenyl ether(total of 3 isomers)	≥ 10 mg/kg	
			- Octabromodiphenyl ether(total of 4 isomers)	≥ 15 mg/kg	
			- Tris(2-chloro-1-methylethyl)phosphate	≥ 1 mg/kg	
			- Tris(1,3-dichloro-2-propyl)phosphate	≥ 1 mg/kg	
		5.3 Colourants	≥ 5 mg/kg each		
		5.4 Primary aromatic amines	≥ 3 mg/kg each		
		5.5 Monomers and Solvents	- Acrylamide	≥ 0.01 mg/L	
			- Bisphenol A	≥ 0.05 mg/L	

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02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- Formaldehyde	≥ 1 mg/L	
			- Phenol	≥ 1 mg/L	
			- Styrene	≥ 0.5 mg/L	
			- Trichloro ethylene	≥ 0.01 mg/L	
			- Dichloro methane	≥ 0.02 mg/L	
			- 2-Methoxyethyl acetate	≥ 0.05 mg/L	
			- 2-Ethoxy ethanol	≥ 0.05 mg/L	
			- 2-Ethoxyethyl acetate	≥ 0.05 mg/L	
			- Bis(2-methoxy ethyl) ether	≥ 0.05 mg/L	
			- 2-Methoxy propyl acetate	≥ 0.05 mg/L	
			- Methanol	≥ 0.5 mg/L	
			- Nitrobenzene	≥ 0.01 mg/L	
			- Cyclohexanone	≥ 0.1 mg/L	
			- 3,5,5-Tri methyl-2-cyclohexene-1-one	≥ 0.3 mg/L	
			- Toluene	≥ 0.1 mg/L	

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- Ethylbenzene	≥ 0.1 mg/L	
			- Xylene(all isomers)	≥ 0.1 mg/L	
		5.6 Wood preservatives	- Cyfluthrin	≥ 2 mg/kg	
			- Cypermethrin	≥ 2 mg/kg	
			- Deltamethrin	≥ 2 mg/kg	
			- Permethrin	≥ 2 mg/kg	
			- 2,4-Dichloro phenol	≥ 1 mg/kg	
			- 2,4,6-Trichloro phenol	≥ 1 mg/kg	
			- 2,4,5-Trichloro phenol	≥ 2 mg/kg	
			- 2,3,4,6-Tetra chlorophenol	≥ 0.2 mg/kg	
			- Pentachloro phenol	≥ 0.5 mg/kg	
			- Lindane	≥ 0.5 mg/kg	
		5.7 Preservatives	- Phenol	≥ 5 mg/kg	
			- 1,2-Benzyliso thiazolin-3-one	≥ 2 mg/kg	
			- 2-Methyl-4- isothiazolin-3-one	≥ 0.25 mg/kg	

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- 5-Chloro-2-methyl-4-isothiazolin-3-one ≥ 0.75 mg/kg		
			- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one ≥ 1 mg/kg		
			- Formaldehyde (free) ≥ 20 mg/kg		
		5.8 Plasticisers ≥ 0.01 mg/L each			
		5.9 Ethylacetate, Methanol	- Ethylacetate ≥ 10 mg/kg		
- Methanol ≥ 10 mg/kg					
MOTIE Notice No.2021-0230 (12.29.2021.)	Children's Products	Safety Confirmation Standards Part 6 Toys	-	BS-1	N
		Part 4:Hazardous chemical materials	-		
		4. Requirements	-		
		4.1 Migration of certain elements	Sb : ≥ 5 mg/kg As : ≥ 0.1 mg/kg Ba : ≥ 5 mg/kg Cd : ≥ 0.1 mg/kg Cr : ≥ 0.005 mg/kg Pb : ≥ 1 mg/kg Hg : ≥ 0.5 mg/kg Se : ≥ 1 mg/kg Cu : ≥ 10 mg/kg Ni : ≥ 5 mg/kg Zn : ≥ 50 mg/kg Al : ≥ 5 mg/kg Cr(III) : ≥ 0.1 mg/kg Cr(VI) : ≥ 0.003 mg/kg B : ≥ 10 mg/kg Co : ≥ 1 mg/kg		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			Mn : ≥ 10 mg/kg Sr : ≥ 50 mg/kg Sn : ≥ 0.05 mg/kg Organic tin : ≥ 0.1 mg/kg		
		8. Sample preparation and extraction	-		
		8.3 Lead and Cadmium	≥ 10 mg/kg each		
		8.4 Nickel release	≥ 0.1 ($\mu\text{g}/\text{cm}^2/\text{week}$)		
		8.5 Plasticiser(Phthalates)	≥ 0.01 % each		
		Part 7. Finger paints	-		
		5.2 Colourants	≥ 3 mg/kg each		
		5.3 Migration of certain elements	Sb : ≥ 5 mg/kg, Ba : ≥ 5 mg/kg, Cd : ≥ 5 mg/kg, Cr : ≥ 5 mg/kg, Pb : ≥ 5 mg/kg, Se : ≥ 5 mg/kg, As : ≥ 2 mg/kg, Hg : ≥ 2 mg/kg		
		5.4 Primary aromatic amines	≥ 3 mg/kg each		
		5.5 pH	1.0 ~ 14.0		
		Chapter 8. Organic chemical compounds - Requirements	-		
		Chapter 9. Organic chemical compounds - Sample preparation and extraction	-		
		6. Extraction	- Acrylamide	≥ 0.02 mg/L	
			- Bisphenol A	≥ 0.05 mg/L	
			- Formaldehyde	≥ 1 mg/L	
			- Phenol	≥ 1 mg/L	
			- Styrene	≥ 0.5 mg/L	

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- Trichloro ethylene	≥ 0.01 mg/L	
			- Dichloro methane	≥ 0.02 mg/L	
			- 2-Methoxy ethyl acetate	≥ 0.05 mg/L	
			- 2-Ethoxy ethanol	≥ 0.05 mg/L	
			- 2-Ethoxy ethyl acetate	≥ 0.05 mg/L	
			- Bis(2-methoxy ethyl) ether	≥ 0.05 mg/L	
			- 2-Methoxy propyl acetate	≥ 0.05 mg/L	
			- Methanol	≥ 0.5 mg/L	
			- Nitrobenzene	≥ 0.01 mg/L	
			- Cyclohexanone	≥ 0.1 mg/L	
			- 3,5,5-Tri methyl-2-cyclohexene-1-one	≥ 0.3 mg/L	
			- Toluene	≥ 0.1 mg/L	
			- Ethylbenzene	≥ 0.1 mg/L	
			- Xylene(all isomers)	≥ 0.1 mg/L	
		7. Inhalation	- Toluene	≥ 100 $\mu\text{g}/\text{m}^3$	
			- Ethylbenzene	≥ 2 500 $\mu\text{g}/\text{m}^3$	

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- Xylene(all isomers)	≥ 500 $\mu\text{g}/\text{m}^3$	
			- 1,3,5-Trimethyl benzene (mesitylene)	≥ 1 500 $\mu\text{g}/\text{m}^3$	
			- Trichloro ethylene	≥ 30 $\mu\text{g}/\text{m}^3$	
			- Dichloro methane	≥ 1 500 $\mu\text{g}/\text{m}^3$	
			- n-Hexane	≥ 1 000 $\mu\text{g}/\text{m}^3$	
			- Nitrobenzene	≥ 30 $\mu\text{g}/\text{m}^3$	
			- Cyclohexanone	≥ 50 $\mu\text{g}/\text{m}^3$	
			- 3,5,5-Trimethyl-2-cyclohexane-1-one	≥ 100 $\mu\text{g}/\text{m}^3$	
		8.1 Textiles	-		
		8.1.1 Flameretardants	- Tri-o-cresyl phosphate	≥ 10 mg/kg	
			- Tris(2-chloro ethyl) phosphate	≥ 10 mg/kg	
			- Pentabromodi phenyl ether(total of 3 isomers)	≥ 10 mg/kg	
			- Octabromodi phenyl ether(total of 4 isomers)	≥ 15 mg/kg	

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- Tris(2-chloro-1-methylethyl)phosphate ≥ 1 mg/kg		
			- Tris(1,3-dichloro-2-propyl) phosphate ≥ 1 mg/kg		
		8.1.3 Colourants	≥ 5 mg/kg each		
		8.1.4 Primary aromatic amines	≥ 3 mg/kg each		
		8.2 Leather	-		
		8.2.1 Colourants	≥ 5 mg/kg each		
		8.2.2 Primary aromatic amines	≥ 3 mg/kg each		
		8.2.3 Preservatives	- Phenol ≥ 5 mg/kg		
			- 1,2-Benzylisothiazolin-3-one ≥ 2 mg/kg		
			- 2-Methyl-4-isothiazolin-3-one ≥ 0.25 mg/kg		
			- 5-Chloro-2-methyl-4-isothiazolin-3-one ≥ 0.75 mg/kg		
			- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one ≥ 1 mg/kg		
			- Formaldehyde (free) ≥ 20 mg/kg		
		8.3 Wood	-		
		8.3.1 Colourants	≥ 5 mg/kg each		
		8.3.2 Primary aromatic amines	≥ 3 mg/kg each		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		8.3.3 Wood preservatives	- Cyfluthrin	≥ 2 mg/kg	
			- Cypermethrin	≥ 2 mg/kg	
			- Deltamethrin	≥ 2 mg/kg	
			- Permethrin	≥ 2 mg/kg	
			- 2,4-Dichloro phenol	≥ 1 mg/kg	
			- 2,4,6-Trichloro phenol	≥ 1 mg/kg	
			- 2,4,5-Trichloro phenol	≥ 2 mg/kg	
			- 2,3,4,6-Tetra chlorophenol	≥ 0.2 mg/kg	
			- Pentachloro phenol	≥ 0.5 mg/kg	
			- Lindane	≥ 0.5 mg/kg	
		8.4 Paper - Colourants and primary aromatic amines	-		
		8.4.1 Colourants	≥ 5 mg/kg each		
		8.4.2 Primary aromatic amines	≥ 3 mg/kg each		
		8.5 Aqueous liquids - Colourants, primary aromatic amines and preservatives	-		
		8.5.1 Colourants	≥ 5 mg/kg each		
		8.5.2 Primary aromatic amines	≥ 3 mg/kg each		

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Test method	Products and materials	Standard designation	Test range		Site	Field testing
		8.5.3 Preservatives	- Phenol	≥ 5 mg/kg		
			- 1,2-Benzyliso thiazolin-3-one	≥ 2 mg/kg		
			- 2-Methyl-4-iso thiazolin-3-one	≥ 0.25 mg/kg		
			- 5-Chloro-2-methyl-4-isothi azolin-3-one	≥ 0.75 mg/kg		
			- 5-Chloro-2-methyl-4-isothi azolin-3-one + 2-methyl-4-iso thiazolin-3-one	≥ 1 mg/kg		
			- Formaldehyde (free)	≥ 20 mg/kg		
		8.6 Solid toy materials intended to leave a trace	-			
		8.6.1 Colourants	≥ 5 mg/kg each			
		8.6.2 Primary aromatic amines	≥ 3 mg/kg each			
		8.7 Modelling clay, play clay and similar	-			
		8.7.1 Colourants	≥ 5 mg/kg each			
		8.7.2 Primary aromatic amines	≥ 3 mg/kg each			
		8.7.3 Preservatives	- Phenol	≥ 5 mg/kg		
			- 1,2-Benzyliso thiazolin-3-one	≥ 2 mg/kg		
			- 2-Methyl-4-iso thiazolin-3-one	≥ 0.25 mg/kg		
			- 5-Chloro-2-methyl-4-isothi azolin-3-one	≥ 0.75 mg/kg		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one	≥ 1 mg/kg	
			- Formaldehyde (free)	≥ 20 mg/kg	
		8.8 Balloon-making compounds	-		
		8.8.1 Colourants	≥ 5 mg/kg each		
		8.8.2 Primary aromatic amines	≥ 3 mg/kg each		
		8.9 Imitation tattoos with adhesive	-		
		8.9.1 Colourants	≥ 5 mg/kg each		
		8.9.2 Primary aromatic amines	≥ 3 mg/kg each		
		8.9.3 Preservatives	- Phenol	≥ 5 mg/kg	
			- 1,2-Benzylisothiazolin-3-one	≥ 2 mg/kg	
			- 2-Methyl-4-isothiazolin-3-one	≥ 0.25 mg/kg	
			- 5-Chloro-2-methyl-4-isothiazolin-3-one	≥ 0.75 mg/kg	
			- 5-Chloro-2-methyl-4-isothiazolin-3-one + 2-methyl-4-isothiazolin-3-one	≥ 1 mg/kg	
			- Formaldehyde (free)	≥ 20 mg/kg	
		Chapter 10. Organic chemical compounds - Methods of analysis	-		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.2 Flameretardants	- Tri-o-cresyl phosphate	≥ 10 mg/kg	
			- Tris(2-chloro ethyl) phosphate	≥ 10 mg/kg	
			- Pentabromodi phenyl ether(total of 3 isomers)	≥ 10 mg/kg	
			- Octabromodi phenyl ether(total of 4 isomers)	≥ 15 mg/kg	
			- Tris(2-chloro-1-methylethyl)phosphate	≥ 1 mg/kg	
			- Tris(1,3-dichloro-2-propyl) phosphate	≥ 1 mg/kg	
		5.3 Colourants	≥ 5 mg/kg each		
		5.4 Primary aromatic amines	≥ 3 mg/kg each		
		5.5 Monomers and Solvents	- Acrylamide	≥ 0.02 mg/L	
			- Bisphenol A	≥ 0.05 mg/L	
			- Formaldehyde	≥ 1 mg/L	
			- Phenol	≥ 1 mg/L	
			- Styrene	≥ 0.5 mg/L	
			- Trichloro ethylene	≥ 0.01 mg/L	
			- Dichloro methane	≥ 0.02 mg/L	

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- 2-Methoxyethyl acetate	≥ 0.05 mg/L	
			- 2-Ethoxy ethanol	≥ 0.05 mg/L	
			- 2-Ethoxyethyl acetate	≥ 0.05 mg/L	
			- Bis(2-methoxy ethyl) ether	≥ 0.05 mg/L	
			- 2-Methoxy propyl acetate	≥ 0.05 mg/L	
			- Methanol	≥ 0.5 mg/L	
			- Nitrobenzene	≥ 0.01 mg/L	
			- Cyclohexanone	≥ 0.1 mg/L	
			- 3,5,5-Tri methyl-2-cyclohexene-1-one	≥ 0.3 mg/L	
			- Toluene	≥ 0.1 mg/L	
			- Ethylbenzene	≥ 0.1 mg/L	
			- Xylene(all isomers)	≥ 0.1 mg/L	
		5.6 Wood preservatives	- Cyfluthrin	≥ 2 mg/kg	
			- Cypermethrin	≥ 2 mg/kg	
			- Deltamethrin	≥ 2 mg/kg	

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- Permethrin	≥ 2 mg/kg	
			- 2,4-Dichloro phenol	≥ 1 mg/kg	
			- 2,4,6-Trichloro phenol	≥ 1 mg/kg	
			- 2,4,5-Trichloro phenol	≥ 2 mg/kg	
			- 2,3,4,6-Tetra chlorophenol	≥ 0.2 mg/kg	
			- Pentachloro phenol	≥ 0.5 mg/kg	
			- Lindane	≥ 0.5 mg/kg	
		5.7 Preservatives	- Phenol	≥ 5 mg/kg	
			- 1,2-Benzyliso thiazolin-3-one	≥ 2 mg/kg	
			- 2-Methyl-4- isothiazolin-3-on e	≥ 0.25 mg/kg	
			- 5-Chloro-2- methyl-4-isothi azolin-3-one	≥ 0.75 mg/kg	
			- 5-Chloro-2- methyl-4-isothi azolin-3-one + 2-methyl-4-isothi azolin-3-one	≥ 1 mg/kg	
			- Formaldehyde (free)	≥ 20 mg/kg	

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Test method	Products and materials	Standard designation	Test range	Site	Field testing	
		5.8 Plasticisers	≥ 0.01 mg/L each			
		5.9 Ethylacetate, Methanol	- Ethylacetate			≥ 10 mg/kg
			- Methanol			≥ 10 mg/kg
		Appendix D Adhesives - Test method for Formaldehyde	≥ 10 mg/kg			
Chapter 12. N-nitrosamines and N-nitrosatable substance	<p>Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethyl amine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) :</p> <p>≥ 0.005 mg/kg</p> <p>Potentially producible Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethyl amine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) :</p> <p>≥ 0.05 mg/kg</p>					
KS G ISO 8124-3:2010	Children's Products	Safety of toys — Part 3 : Migration of certain elements	-	BS-1	N	
		- Antimony(Sb), Barium(Ba), Cadmium(Cd), Chromium(Cr), Lead(Pb), Selenium(Se)	≥ 5 mg/kg each			
		- Arsenic(As), Mercury(Hg)	≥ 2 mg/kg each			
16 CFR Part 1303 CPSC-CH-E100 3-09.1	Children's Products	Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings* February 25, 2011	≥ 10 mg/kg	BS-1	N	

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
CPSC-CH-E100 2-08.3	Children's Products	Standard Operating Procedure for Determining Total Lead (Pb) in Nonmetal Children's Products, Revision November 15, 2012*	≥ 10 mg/kg	BS-1	N
CPSC-CH-E100 1-08.3	Children's Products	Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry), Revision November 15, 2012*	≥ 10 mg/kg	BS-1	N
MOTIE Notice No.2015-0108(06.04.2015.)	Children's Products	Safety Confirmation Standards Part 12 Baby walker	-	BS-1	N
		4.2.1.2 Hazardous element content	≥ 10 mg/kg		
		4.2.1.3 Migration of certain elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		4.2.1.4 Total content of phthalate plasticizer	Each ≥ 0.01 %		
		4.2.1.5 Formaldehyde content	≥ 20 mg/kg		
MOTIE Notice No.2015-0108(06.04.2015.)	Children's Products	Safety Confirmation Standards Part 13 Baby carriage	-	BS-1	N
		6.2.3.2 Hazardous element content	≥ 10 mg/kg		
		6.2.3.3 Migration of certain elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		6.2.3.4 Total content of phthalate plasticizer	Each ≥ 0.01 %		
		6.2.3.5 Formaldehyde detected of textile	≥ 20 mg/kg		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
MOTIE Notice No.2017-0016(01.31.2017.)	Children's Products	Safety Confirmation Standards Part 2 Care articles for children	-	BS-1	N
		Part 1. Children's bedguards	-		
		5.4.1 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se \geq 5 mg/kg As, Hg \geq 2 mg/kg		
		5.4.2 Hazardous element content	\geq 10 mg/kg Each		
		5.4.3 Total content of phthalate plasticizer	\geq 0.01 % Each		
		5.4.4 Formaldehyde	\geq 20 mg/kg		
		Part 2. Soothers for babies and young children	-		
		5.2.1 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se \geq 5 mg/kg As, Hg \geq 2 mg/kg		
		5.2.2 Hazardous element content	\geq 10 mg/kg Each		
		5.2.3 Total content of phthalate plasticizer	\geq 0.01 % Each		
		5.2.4 Formaldehyde of textile	\geq 20 mg/kg		
5.2.5 Nitrosamines and Potentially producible Nitrosamines Test	Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethyl amine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) : \geq 0.005 mg/kg Potentially producible Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethyl amine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine,				

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			N-nitrosopyrrolidine, N-nitrosomorpholine) : ≥ 0.05 mg/kg		
		5.2.6 2-mercaptoimidazoline Test	Detected or Not Detected		
		5.2.7 Migration of Formaldehyde	≥ 1 mg/L		
		5.2.8 Migration of Phenol	≥ 1 mg/L		
		5.2.9 Migration of Bisphenol A	≥ 0.1 mg/L		
		Part 3: Soother holder for babies and young children	-		
		5.2.1 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		5.2.2 Hazardous element content	≥ 10 mg/kg Each		
		5.2.3 Nickel release	≥ 0.1 (µg/cm ² /week)		
		5.2.4 Total content of phthalate plasticizer	≥ 0.01 % Each		
		5.2.5 Formaldehyde of textile	≥ 20 mg/kg		
		Part 4: Floor mat	-		
		5.2.1 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		5.2.2 Hazardous element content	≥ 10 mg/kg Each		
		5.2.3 Total content of phthalate plasticizer	≥ 0.01 % Each		
		5.2.4 Formaldehyde	≥ 20 mg/kg		
		5.2.5 Organotin compounds content	DBT : ≥ 0.5 TBT : ≥ 0.3		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing	
		5.2.6 Aryl Amine of textile	24 elements Each ≥ 5 mg/kg			
		5.2.7 flame resistant of textile	Penta, Octa BDE : ≥ 500 mg/kg TDBPP : ≥ 5 mg/kg			
		5.2.8 Dimethylfumarate	≥ 0.05 mg/kg			
		5.2.9 Allergic dyes of textile	22 elements Each ≥ 20 mg/kg			
		5.2.10 pH of textile	(1.00 ~ 14.00), 0.01			
		5.2.11 Emissions of volatile organic compounds	Toluene			≥ 0.70 mg/(m ² ·h)
			Formamide			≥ 0.10 mg/(m ² ·h)
			N,N-Dimethylformamide			≥ 0.20 mg/(m ² ·h)
			2-Ethylhexoic acid			≥ 0.10 mg/(m ² ·h)
			Butylhydroxytoluene			≥ 0.25 mg/(m ² ·h)
			2-Methoxyethanol			≥ 0.10 mg/(m ² ·h)
MOTIE Notice No.2015-0109(06.04.2015.)	Children's Products	Supplier's Confirmation of Conformity Part 4 Swimming Goggles for Children	-	BS-1	N	
		6.10 Monomers, Solvents-extraction, plasticizers	-			
		Monomers	- Acrylamide			≥ 0.01 mg/L
			- Bisphenol A			≥ 0.05 mg/L

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- Formaldehyde ≥ 1 mg/L		
			- Phenol ≥ 1 mg/L		
			- Styrene ≥ 0.5 mg/L		
		Solvents-extraction	- Trichloro ethylene ≥ 0.01 mg/L		
			- Dichloro methane ≥ 0.02 mg/L		
			- 2-Methoxy ethyl acetate ≥ 0.05 mg/L		
			- 2-Ethoxy ethanol ≥ 0.05 mg/L		
			- 2-Ethoxy ethyl acetate ≥ 0.05 mg/L		
			- Bis(2-methoxy ethyl) ether ≥ 0.05 mg/L		
			- 2-Methoxy propyl acetate ≥ 0.05 mg/L		
			- Methanol ≥ 0.5 mg/L		
			- Nitrobenzene ≥ 0.01 mg/L		
			- Cyclo hexanone ≥ 0.1 mg/L		
			- 3,5,5-Tri methyl-2-cyclohexene-1-one ≥ 0.3 mg/L		
			- Toluene ≥ 0.1 mg/L		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			- Ethylbenzene ≥ 0.1 mg/L - Xylene(all isomers) ≥ 0.1 mg/L		
		Plasticizers	≥ 0.01 mg/L each		
AOAC Official Method 974.02	Children's Products	Lead in Paint	(0.01 ~ 5) %	BS-1	N
ASTM E1645-21	Children's Products	Standard Practice for Preparation of Dried Paint Samples by Hotplate or Microwave Digestion for Subsequent Lead Analysis	-	BS-1	N
		Safety Confirmation Standards Part 11 School things	-		
		5.2 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		5.3 Hazardous element content	≥ 10 mg/kg Each		
		5.4 Phthalate plasticizers	≥ 0.01 % Each		
		5.7 Formaldehyde	-		
		5.7.1 Ink (Marking pen)	≥ 20 mg/kg		
		5.7.2 Stationery glue	≥ 10 mg/kg		
		5.9 pH(liquid glue)	(1.00 ~ 14.00), 0.01	BS-1	N
MOTIE Notice No.2020-0229(1 2.30.2020.)	Children's Products	5.10 Nitrosamines and Potentially producible Nitrosamines Test	Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethyl amine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) : ≥ 0.005 mg/kg Potentially producible Nitrosamines(sum of		

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02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
			N-nitrosodimethylamine, N-nitrosodiethyl amine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) : ≥ 0.05 mg/kg		
MOTIE Notice No.2021-0230(1 2.29.2021.)	Children's Products	Safety Confirmation Standards Part 11 School things	-	BS- 1	N
		5.2 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		5.3 Hazardous element content	≥ 10 mg/kg Each		
		5.4 Phthalate plasticizers	≥ 0.01 % Each		
		5.7 Formaldehyde	-		
		5.7.1 Ink (Marking pen)	≥ 20 mg/kg		
		5.7.2 Stationery glue	≥ 10 mg/kg		
		5.9 pH(liquid glue)	(1.00 ~ 14.00), 0.01		
MOTIE Notice No.2015-0107(0 6.04.2015.)	Children's Products	Safety Certification Standards Part 1 Aquatic Equipment For Children	-	BS- 1	N
		Part1. Inflatable aquatic equipment	-		
		5.8 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		5.9 Phthalate plasticizers	≥ 0.01 % Each		
		5.11 Total content of Hazardous element	≥ 10 mg/kg Each		
		Part2. Buoyant aids to be worn	-		
6.16.3 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg				

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
		6.16.4 Phthalate plasticizers	≥ 0.01 % Each		
		6.16.6 Hazardous element content	≥ 10 mg/kg Each		
		Part3. Requirements and test methods for buoyant device	-		
		6.11.2 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		6.11.3 Phthalate plasticizers	≥ 0.01 % Each		
		6.11.5 Hazardous element content	≥ 10 mg/kg Each		
MOTIE Notice No.2015-0107(06.04.2015.)	Children's Products	Safety Certification Standards Part 4 BB Guns for Children	-	BS-1	N
		5.4.1 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		5.4.2 Total lead and Cadmium content	≥ 10 mg/kg Each		
		5.4.3 Phthalate plasticizers	≥ 0.01 % Each		
MOTIE Notice No.2015-0108(06.04.2015.)	Children's Products	Safety Confirmation Standards Part 14 Children's cots	-	BS-1	N
		4.1 Migration of certain elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		4.2 Hazardous element content	≥ 10 mg/kg Each		
		4.3 The total content of Phthalate plasticizers	≥ 0.01 % Each		
		4.4 Formaldehyde of textile	≥ 20 mg/kg		

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02 Chemical Testing

02.034 Children's Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
MOTIE Notice No.2015-0108(06.04.2015.)	Children's Products	Safety Confirmation Standards Part 15 Thermal pack for children	-	BS-1	N
		6.4 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se \geq 5 mg/kg As, Hg \geq 2 mg/kg		
		6.5 Hazardous element content	\geq 10 mg/kg Each		
		6.6 The total content of Phthalate plasticizers	\geq 0.01 % Each		
MOTIE Notice No.2015-0108(06.04.2015.)	Children's Products	Safety Confirmation Standards Part 16 Children's Carrier	-	BS-1	N
		Part 1: Children's Soft Carrier	-		
		6.2.1.1 Migration of Certain Elements	Sb, Ba, Cd, Cr, Pb, Se \geq 5 mg/kg As, Hg \geq 2 mg/kg		
		6.2.1.2 Hazardous element content	\geq 10 mg/kg Each		
		6.2.1.3 Phthalate plasticizers	\geq 0.01 % Each		
		6.2.2 Formaldehyde	\geq 20 mg/kg		
		Part 2: Children's Frame Carrier	-		
		6.2.1.1 Migration of certain elements	Sb, Ba, Cd, Cr, Pb, Se \geq 5 mg/kg As, Hg \geq 2 mg/kg		
		6.2.1.2 Hazardous element content	\geq 10 mg/kg Each		
		6.2.1.3 Phthalate plasticizers	\geq 0.01 % Each		
		6.2.2 Formaldehyde	\geq 20 mg/kg		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
MOTIE Notice No.2019-0201(12.03.2019.)	Children's Products	Safety Standard for Children's Product	-	BS-1	N
		4.1.4 Nitrosamines and Potentially producible Nitrosamines Test	Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethyl amine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) : ≥ 0.005 mg/kg Potentially producible Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethyl amine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) : ≥ 0.05 mg/kg		
MOTIE Notice No.2021-0132(07.19.2021.)	Children's Products	Safety Standard for Children's Product	-	BS-1	N
		4.1.1 Migration of certain elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		
		4.1.2 Hazardous element content	≥ 10 mg/kg Each		
		4.1.3 Phthalate plasticizers	≥ 0.01 % Each		
		4.1.4 Nitrosamines and Potentially producible Nitrosamines Test	Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethyl amine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) : ≥ 0.005 mg/kg		

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02 Chemical Testing

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			Potentially producible Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethyl amine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) : ≥ 0.05 mg/kg		
MOTIE Notice No.2021-0229(1 2.29.2021.)	Children's Products	Safety Standard for Children's Product	-	BS-1	N
		4.1.1 Migration of certain elements	Sb : ≥ 5 mg/kg Ba : ≥ 5 mg/kg Cd : ≥ 5 mg/kg Cr : ≥ 5 mg/kg Pb : ≥ 5 mg/kg Se : ≥ 5 mg/kg As : ≥ 2 mg/kg Hg : ≥ 2 mg/kg		
		4.1.2 Hazardous chemical materials	≥ 10 mg/kg each		
		4.1.3 Phthalates	≥ 0.01 % each		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
KATS Notice No.2018-0194(06.29.2018.)	False eyelashes	Supplier's Confirmation of Conformity Part 11 Fake eyelashes	-	BS-1	N
		5.3 Hazardous chemical materials	-		
		5.3.1 The contents of azo colorants.	≥ 5 mg/kg		
		5.3.2 The contents of organotin compounds	-		
		- DBT	≥ 0.5 mg/kg		
		- TBT	≥ 0.5 mg/kg		
		5.3.3 Formaldehyde	-		
		- Fake eyelashes	≥ 20 mg/kg		
		5.3.4 Heavy metal content	-		
		- Lead(Pb)	≥ 0.1 mg/kg		
- Arsenic(As)	≥ 0.1 mg/kg				
KS K 0853:2017	Nickel	Test method for determination of nickel release from products intended to come into direct and prolonged contact with the skin: Alternate exposure	≥ 0.1 (μg/cm ² /week)	BS-1	N
MOTIE Notice No.2015-0109(06.04.2015.)	Nickel	Supplier's Confirmation of Conformity Part 11 Children's Jewelry	-	BS-1	N
		5.5 Nickel release	≥ 0.1 (μg/cm ² /week)		
MOTIE Notice No.2018-0031(03.05.2018.)	Leather Product for Children	Supplier's Confirmation of Conformity Part 1 Leather Products for Children	-	BS-1	N
		5.2.6 Hazardous chemical materials	≥ 10 mg/kg each		
		5.2.8 The total content of Phthalate plasticizers	≥ 0.01 % each		
		5.2.9 Nickel release	≥ 0.1 (μg/cm ² /week)		
MOTIE Notice No.2021-0089(05.26.2021.)	Sunglass & Glasses Frame for Children	Supplier's Confirmation of Conformity Part 3 Sunglass / Glasses Frame for Children	-	BS-1	N
		4.2 Nickel release	≥ 0.1 (μg/cm ² /week)		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS G ISO 12870:2011	Spectacle frames	Ophthalmic optics — Spectacle frames — Requirements and test methods	-	BS- 1	N
		4.2.2 Nickel release			
		Annex C Examples of cutting metal spectacle frames before testing for nickel release			
KS G ISO 24348:2011	Spectacle frames	Ophthalmic optics — Spectacle frames — Method for the simulation of wear and detection of nickel release from metal and combination spectacle frames	≥ 0.1 ($\mu\text{g}/\text{cm}^2/\text{week}$)	BS- 1	N
MOTIE Notice No.2020-020(03. 01.2020.)	Furniture for Children	Supplier's Confirmation of Conformity Part 14 Furniture for Children	-	BS- 1	N
		6.9.9 Migration of certain elements	Sb : ≥ 5 mg/kg Ba : ≥ 5 mg/kg Cd : ≥ 5 mg/kg Cr : ≥ 5 mg/kg Pb : ≥ 5 mg/kg Se : ≥ 5 mg/kg As : ≥ 2 mg/kg Hg : ≥ 2 mg/kg		
		6.9.10 Hazardous chemical materials	≥ 10 mg/kg each		
		6.9.11 The total content of Phthalate plasticizers	≥ 0.01 % each		
BS EN 1541:2001	Paper and board	Paper and board intended to come into contact with foodstuffs. Determination of formaldehyde in an aqueous extract	≥ 10 mg/kg	BS- 1	N
BS EN 645:1994	Paper and board	Paper and board intended to come into contact with foodstuffs. Preparation of a cold water extract	-	BS- 1	N
EN 1811:2011+A1:2 015	Nickel	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin	≥ 0.1 ($\mu\text{g}/\text{cm}^2/\text{week}$)	BS- 1	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
DIN EN 1811:2015	Nickel	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin	≥ 0.1 ($\mu\text{g}/\text{cm}^2/\text{week}$)	BS-1	N
BS EN 1811:2011+A1:2015	Nickel	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin	≥ 0.1 ($\mu\text{g}/\text{cm}^2/\text{week}$)	BS-1	N
EN 12472:2005+A1:2020	Nickel	Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items	≥ 0.1 ($\mu\text{g}/\text{cm}^2/\text{week}$)	BS-1	N
DIN EN 12472:2020	Nickel	Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items	≥ 0.1 ($\mu\text{g}/\text{cm}^2/\text{week}$)	BS-1	N
BS EN 12472:2020	Nickel	Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items	≥ 0.1 ($\mu\text{g}/\text{cm}^2/\text{week}$)	BS-1	N
KS M 2701:2007	Household products	Testing methods for soap	-	BS-1	N
		6.1 Moisture	≥ 0.1 %		
		6.2 Petroleum ether-soluble matter	≥ 0.1 %		
		6.4 Net soap content	≥ 0.1 %		
		6.5 Total free alkali	≥ 0.1 %		
		6.6 Ethanol-insoluble matter	≥ 0.1 %		
		6.7 Water-insoluble matter	≥ 0.1 %		
		6.11 Surface tension	≥ 0.01 dyne/cm		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M 2702:2017	Household products	Toilet soaps	-	BS-1	N
		7.2. Moisture and volatile matter content	≥ 0.1 %		
		7.3. Net soap content	≥ 0.1 %		
		7.4. Free alkali	≥ 0.1 %		
		7.5. Petroleum ether-soluble matter	≥ 0.1 %		
KS M 2703:2018	Household products	Solid laundry soap	-	BS-1	N
		6.2. Moisture and volatile matter content	≥ 0.1 %		
		6.3. Net soap content	≥ 0.1 %		
		6.4. Free alkali	≥ 0.1 %		
		6.5. Petroleum ether-soluble matter	≥ 0.1 %		
KS M 2704:2007	Household products	Powdered laundry soaps	-	BS-1	N
		6.2. Moisture and volatile matter content (Heating loss method)	≥ 0.1 %		
		6.3. pH(25 °C)	(1 ~ 13)		
		6.4. Net soap content	≥ 0.1 %		
		6.5. Petroleum ether-soluble matter	≥ 0.1 %		
		6.6. Ethanol-insoluble matter	≥ 0.1 %		
KS M 2709:2006	Household products	Testing methods for synthetic detergent	-	BS-1	N
		6.1 Determination of Petroleum ether-soluble matter content	≥ 0.1 %		
		6.2 Determination of ethyl alcohol-soluble matter content	≥ 0.1 %		
		6.7. Detergency	Equal or above standard detergent / Under standard detergent		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		6.3 Qualitative and quantitative determination of anionic surfactant	$\geq 0.1 \%$		
		6.4 Qualitative and quantitative determination of cationic surfactant	$\geq 0.1 \%$		
		6.6 Determination of urea content	$\geq 0.1 \%$		
		6.7 Determination of surfactant content	$\geq 0.1 \%$		
		6.9 Determination of peroxy salts content	$\geq 0.1 \%$		
		6.10 Determination of total phosphate content	$\geq 0.1 \%$		
		6.16 Qualitative test of fluorescent whitening agent	Detected or Not Detected		
		6.17 Limit test of arsenic(As)	$\geq 0.02 \text{ mg/L}$		
		6.21 Determination of moisture content	-		
		6.21.1 Heating loss method	$\geq 0.1 \%$		
		6.21.2 Distillation method	$\geq 0.1 \%$		
		7.3 pH-value	(1 ~ 13)		
		7.4 Surface tension	$\geq 0.01 \text{ dyne/cm}$		
		7.5 Foam generation and foam stability	$\geq 1 \text{ mm}$		
		8.1 Detergency evaluation method of synthetic detergents for home laundering	Equal or above standard detergent / Under standard detergent		
		8.2 Detergency evaluation method of synthetic detergents for kitchen	Equal or above standard detergent / Under standard detergent		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M 2715:2016	Household products	Synthetic detergents for home laundering	-	BS-1	N
		6.1 pH	(1 ~ 13)		
		6.2 Determination of surfactant content	≥ 0.1 %		
		6.3 Surface tension	≥ 0.01 dyne/cm		
		6.4 Biodegradability	≥ 1 %		
		6.5 Total phosphate	0.1 %		
		6.6 Evaluation of detergency	Equal or above standard detergent / Under standard detergent		
		6.7 Weight or Capacity	≥ 0.1 kg, ≥ 0.1 L		
KS M 2716:2019	Household products	Synthetic detergents for kitchen	-	BS-1	N
		5.2 Determination of surfactant content	0.1 %		
		5.3 pH-value	(1 ~ 13)		
		5.4 Fluorescent whitening agent	Not Detected or Detected		
		5.5 Methanol	10 mg/L		
		5.6 Arsenic(As)	≥ 0.02 mg/L		
		5.7 Heavy metal(as Pb)	Visual Examination		
		5.8 Biodegradability	≥ 1 %		
		5.9 Detergency	Equal or above standard detergent / Under standard detergent		
KS M 2751:2016	Household products	Recycle solid laundry soaps	-	BS-1	N
		5.2 Moisture and volatile matter content	≥ 0.1 %		
		5.3 Net soap content	≥ 0.1 %		
		5.4 Free alkali	≥ 0.1 %		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		5.5 Petroleum ether-soluble matter	$\geq 0.1 \%$		
		5.6 Ethanol-insoluble matter	0.1 %		
KS M 2752:2002	Household products	Recycle powdered laundry soaps	-	BS-1	N
		5.2 Moisture (Heating loss method)	$\geq 0.1 \%$		
		5.3 pH(25 °C)	(1 ~ 13)		
		5.4 Net soap content	$\geq 0.1 \%$		
		5.5 Petroleum ether-soluble matter	$\geq 0.1 \%$		
		5.6 Ethanol-insoluble matter	$\geq 0.1 \%$		
		5.7 Detergency	Equal or above standard detergent / Under standard detergent		
KS M 2753:2016	Household products	Kitchen soaps	-	BS-1	N
		5.2 Net soap content	$\geq 0.1 \%$		
		5.3 Free alkali	$\geq 0.1 \%$		
		5.4 Petroleum ether-soluble matter	$\geq 0.1 \%$		
		5.5 Liquid: Moisture and volatile matter Solid: Moisture and volatile matter content	$\geq 0.1 \%$		
		5.6 Ethanol-insoluble matter	≥ 0.1		
		5.7 pH	0.1		
		5.8 Fluorescent whitening agent	Not Detected or Detected		
		5.10 Arsenic(As)	$\geq 0.02 \text{ mg/L}$		
		5.11 Heavy metal(as Pb)	Visual Examination		
KS M 1993-1:2020	Solid and semi-solid products, Adhesives	Determination of emissive organic compounds in solid and/or semi-solid products — Part 1: Volatile organic compounds — Headspace - gas chromatography	$\geq 1 \text{ mg/kg}$	BS-1	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M 1993-2:2020	Solid and semi-solid products, Adhesives	Determination of emissive organic compounds in solid and/or semi-solid products — Part 2: Formaldehyde and other carbonyl compounds — High performance liquid chromatography	≥ 10 mg/kg	BS-1	N
KS M 1993:2009	Solid and semi-solid products, Adhesives	Determination of volatile organic compounds in adhesives	Formaldehyde : ≥ 10 mg/kg	BS-1	N
MFDS Notice No.2021-76(09.07.2021.)	The utensil and the container · packaging	Food code of the utensil and the container · packaging	-	BS-1	N
		IV. Tests of the utensil and the container · packaging	-		
		1. General Principles	-		
		2. Test Methods	-		
		2-1 Lead(Pb) Test	≥ 0.4 mg/L		
		2-2 Cadmium(Cd) Test	≥ 0.05 mg/L		
		2-4 Hexavalent Chromium(Cr(VI)) Test	≥ 0.1 mg/L		
		2-8 Total Residue on Evaporation	≥ 10 mg/L		
		2-9 Arsenic(As) Test	≥ 0.05 mg/L		
		2-26 Phenol Test	≥ 1 mg/L		
		2-27 Formaldehyde Test	≥ 1 mg/L		
		2-35 Bisphenol A(as sum of phenol, bisphenol A and p-tert-butylphenol) Test	as sum of phenol : ≥ 1 mg/L bisphenol A : ≥ 0.1 mg/L		
		2-49 2-mercaptoimidazoline Test	Detected or Not Detected		
2-50 Zinc Test	≥ 1.0 mg/L				
2-51 Nitrosamines and Potentially producible Nitrosamines Test	Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethylamine,				

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) : ≥ 0.005 mg/kg Potentially producible Nitrosamines(sum of N-nitrosodimethylamine, N-nitrosodiethylamine, N-nitrosodi-n-propylamine, N-nitrosodi-n-buthylamine, N-nitrosopiperidine, N-nitrosopyrrolidine, N-nitrosomorpholine) : ≥ 0.05 mg/kg		
		2-54 Nickel(Ni) Test	≥ 0.1 mg/L		
KATS Notice No.2009-977 (12.30.2009.)	Domestic pressure pans and pressure pots	Safety Certification Standards Part 3 Domestic pressure pans and pressure pots	-	BS-1	N
		6.5.1 Preparation of Synthetic resin test solution	-		
		6.5.1.1 Phenol	≥ 1 mg/L		
		6.5.1.2 Formaldehyde	≥ 1 mg/L		
		6.5.1.3 Heavymetal	Visual examination		
		6.5.1.4 Evaporation residue	≥ 10 mg/L		
		6.5.1.5 Potassium permanganate consumption	≥ 1 mg/L		
		6.5.2 Hazardous element of rubbers	-		
		6.5.2.1 Lead and Cadmium	≥ 10 mg/kg		
		6.5.2.2 Heavymetal	Visual examination		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
		6.5.2.3 Evaporation residue	≥ 10 mg/L		
		6.5.2.4 Potassium permanganate consumption	≥ 1 mg		
		6.5.2.5 Zinc(Zn)	≥ 1 mg/kg		
		6.5.3 Metal(Direct contact with food)	-		
KATS Notice No.2019-0075 (04.26.2019.)	Eyelid tape	Supplier's Confirmation of Conformity Part 8 Eyelid tape	-	BS-1	N
		4.2 Formaldehyde content	≥ 10 mg/kg		
		4.3 Toluene content	≥ 1 mg/kg		
KATS Notice No.2016-600 (12.23.2016.)	Aquatic Equipment	Safety Certification Standard 7 Aquatic Equipment	-	BS-1	N
		Part 1 Inflatable aquatic equipment	-		
		5.8 Migration of Heavy Metals	Sb : ≥ 5 mg/kg, Ba : ≥ 5 mg/kg, Cd : ≥ 5 mg/kg, Cr : ≥ 5 mg/kg, Pb : ≥ 5 mg/kg, Se : ≥ 5 mg/kg, As : ≥ 2 mg/kg, Hg : ≥ 2 mg/kg		
		5.10 Lead	-		
		5.10.1 Lead in Metals	≥ 10 mg/kg		
		5.10.2 Lead in Polymers	≥ 10 mg/kg		
		5.10.3 Lead in Paint and Similar Coatings	≥ 10 mg/kg		
		5.10.4 Lead in Other Materials	≥ 10 mg/kg		
		Part 2 Inflatable Boats	-		
		5.14 Migration of Heavy Metals	Sb : ≥ 5 mg/kg, Ba : ≥ 5 mg/kg, Cd : ≥ 5 mg/kg, Cr : ≥ 5 mg/kg, Pb : ≥ 5 mg/kg,		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			Se : ≥ 5 mg/kg, As : ≥ 2 mg/kg, Hg : ≥ 2 mg/kg		
		5.16 Lead	-		
		5.16.1 Lead in Metals	≥ 10 mg/kg		
		5.16.2 Lead in Polymers	≥ 10 mg/kg		
		5.16.3 Lead in Paint and Similar Coatings	≥ 10 mg/kg		
		5.16.4 Lead in Other Materials	≥ 10 mg/kg		
		Part 3 Buoyant aids to be worn	-		
		6.16.3 Migration of Heavy Metals	Sb : ≥ 5 mg/kg, Ba : ≥ 5 mg/kg, Cd : ≥ 5 mg/kg, Cr : ≥ 5 mg/kg, Pb : ≥ 5 mg/kg, Se : ≥ 5 mg/kg, As : ≥ 2 mg/kg, Hg : ≥ 2 mg/kg		
		6.16.5 Lead	-		
		6.16.5.1 Lead in Metals	≥ 10 mg/kg		
		6.16.5.2 Lead in Polymers	≥ 10 mg/kg		
		6.16.5.3 Lead in Paint and Similar Coatings	≥ 10 mg/kg		
		6.16.5.4 Lead in Other Materials	≥ 10 mg/kg		
		Part 4 Requirements and test methods for buoyant devices to be held	-		
		6.11.2 Migration of Certain Elements	Sb : ≥ 5 mg/kg, Ba : ≥ 5 mg/kg, Cd : ≥ 5 mg/kg, Cr : ≥ 5 mg/kg		

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
			Pb : ≥ 5 mg/kg, Se : ≥ 5 mg/kg, As : ≥ 2 mg/kg, Hg : ≥ 2 mg/kg		
		6.11.4 Lead	-		
		6.11.4.1 Lead in Metals	≥ 10 mg/kg		
		6.11.4.2 Lead in Polymers	≥ 10 mg/kg		
		6.11.4.3 Lead in Paint and Similar Coatings	≥ 10 mg/kg		
		6.11.4.4 Lead in Other Materials	≥ 10 mg/kg		
		Appendix 7-A Phthalate Plasticizer	≥ 0.01 % each		
		Appendix 7-B1 Lead in Metals	≥ 10 mg/kg		
		Appendix 7-B2 Lead in Polymers	≥ 10 mg/kg		
		Appendix 7-B3 Lead in Paint and Similar Coatings	≥ 10 mg/kg		
		Appendix 7-B4 Lead in Other Materials	≥ 10 mg/kg		
KATS Notice No.2017-032 (02.08.2017.)	Thermal pack	Safety Confirmation Standards Part 68 Thermal pack		BS-1	N
		6.4 Hazardous chemical materials	-		
		6.4.1 Content of lead	≥ 10 mg/kg		
		6.4.2 Content of cadmium	≥ 10 mg/kg		
		6.4.3 Phthalate plasticizers	≥ 0.01 % each		
		6.4.4 Migration of certain elements	Sb, Ba, Cd, Cr, Pb, Se ≥ 5 mg/kg As, Hg ≥ 2 mg/kg		

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03 Electrical Testing

03.013 Energy Efficiency

Test method	Products and materials	Standard designation	Test range	Site	Field testing
MOTIE Notice No.2022-64(04.27.2022.)	Electrical machinery for households	Energy Efficiency Standards & Labeling Program	-	BS-1	N
		[Annex 1] 5. Electric washing machines	Standby power : (0 ~ 200.0) W Energy consumption : (0 ~ 4 000) W Weight : (0 ~ 30 000) g Time : (1 ~ 36 000) s		
		[Annex 1] 28. Electric radiant heaters	Standby power : (0 ~ 200.0) W Energy consumption : (0 ~ 4 000) W		
KS C 9608:2013	Electrical machinery for households	Electric washing machines	-	BS-1	N
		12.17. Water extraction performance test	Weight : (0 ~ 30 000) g		
		12.18. Rinsing performance test			
KS C IEC 60456:2010	Electrical machinery for households	Clothes washing machines for household use — Methods for measuring performance	-	BS-1	N
		8 Tests for performance	Energy consumption : (0 ~ 4 000) W Standby Power : (0 ~ 200.0) W Weight : (0 ~ 30 000) g Programme time : (1 ~ 36 000) s		
		9 Assessment of performance			

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03 Electrical Testing

03.013 Energy Efficiency

Test method	Products and materials	Standard designation	Test range	Site	Field testing
IEC 60456:2010 Ed. 5.0 / COR1:2011	Electrical machinery for households	Clothes washing machines for household use – Methods for measuring the performance	-	BS-1	N
		8 Tests for performance	Energy consumption : (0 ~ 4 000) W Standby Power : (0 ~ 200.0) W Weight : (0 ~ 30 000) g Programme time : (1 ~ 36 000) s		
		9 Assessment of performance			
MOTIE Notice No.2022-64(04.2 7.2022.)	Electrical machinery for households	Energy Efficiency Standards & Labeling Program	Rated capacity : 1 kg - 20 kg Energy consumption : ≤ 3 kW Voltage : 220 Vac Frequency : 60 Hz	BS-1	N
		[Annex 1] 43. Tumble dryer			
KS C IEC 61121:2012	Electrical machinery for households	Tumble dryers for household use — Methods for measuring the performance	Energy consumption : ≤ 4 kW Voltage : ≤ 250 Vac Frequency : 50 / 60 Hz	BS-1	N
		8 Performance tests			
		9 Evaluation and calculation			
EN 61121:2013	Electrical machinery for households	Tumble dryers for household use - Method for measuring the performance	Energy consumption : ≤ 4 kW Voltage : ≤ 250 Vac Frequency : 50 / 60 Hz	BS-1	N
		8 Performance tests			
		9 Evaluation and calculation			

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No. KT004

09 Biological Testing

09.002 Microorganisms

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 0693:2016	Microorganisms	Test method for antibacterial activity of textile materials	Bacteriostatic reduction rate : 0.0 % ~ > 99.9 % Bacteriostatic reduction value : ≥ 0 (Log reduction)	BS-1	N
KS K 0890:2016	Microorganisms	Test method for antibacterial activity assessment of textile materials: Parallel streak method	0.0 mm ~ 17.5 mm	BS-1	N
AATCC TM 174:2016	Microorganisms	Test Method for Antimicrobial Activity Assessment of New Carpets	I) 0.0 mm ~ 25.0 mm II) 0.0 % ~ > 99.9 % III) qualitative analysis	BS-1	N
AATCC TM 147:2016	Microorganisms	Test Method for Antibacterial Activity Assessment of Textile Materials : Parallel Streak Method	0.0 mm ~ 17.5 mm	BS-1	N
AATCC TM100:2019	Microorganisms	Test Method for Antibacterial Finishes on Textile Materials : Assessment of	0.0 % ~ 99.9 %	BS-1	N
KS J 3201:1980	Microorganisms	Methods of test for fungus resistance	-	BS-1	N
		7.2.2 Textile Materials	1, 2, 3		
		10. Leather Materials	1, 2, 3		
AATCC TM 30:2017	Microorganisms	Test Method for Antifungal Activity, Assessment on Textile Materials: Mildew and Rot Resistance of Textile Materials	No growth Microscopic growth Macroscopic growth	BS-1	N
SPS-DTAQ-T-0004-6202:2018	Microorganisms	Test method for fungus resistance of textiles	No growth Traces of growth Light growth Heavy growth	BS-1	N
MFDS Notice No.2022-56 (08.11.2022.)	Microorganisms	Part 8. General testing method	-	BS-1	N
		4.5.1 Total aerobic microbial count	≥ 0 (CFU/g or mL)		
		4.10 Total combined molds and yeast count	≥ 0 (CFU/g or mL)		

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09 Biological Testing

09.002 Microorganisms

Test method	Products and materials	Standard designation	Test range	Site	Field testing
MOTIE Notice No.2017-16 (01.31.2017.)	Microorganisms	Safety Confirmation Standards Part 6 Toys	-	BS-1	N
		Part 11. Microbiological safety of toys containing aqueous media	-		
		Total aerobic microbial count	≥ 0 (CFU/g or mL)		
		Yeasts and molds count	≥ 0 (CFU/g or mL)		
		Staphylococcus aureus	qualitative analysis		
		Pseudomonas aeruginosa	qualitative analysis		
		Escherichia coli	qualitative analysis		
MOTIE Notice No.2020-0229 (12.30.2020.)	Microorganisms	Safety Confirmation Standards Part 6 Toys	-	BS-1	N
		Part 11. Microbiological safety of toys containing aqueous media	-		
		Total aerobic microbial count	≥ 0 (CFU/g or mL)		
		Yeasts and molds count	≥ 0 (CFU/g or mL)		
		Staphylococcus aureus	qualitative analysis		
		Pseudomonas aeruginosa	qualitative analysis		
		Escherichia coli	qualitative analysis		
MOTIE Notice No.2021-0230 (12.29.2021.)	Microorganisms	Safety Confirmation Standards Part 6 Toys	-	BS-1	N
		Part 11. Microbiological safety of toys containing aqueous media	-		
		Total aerobic microbial count	≥ 0 (CFU/g or mL)		
		Yeasts and molds count	≥ 0 (CFU/g or mL)		
		Staphylococcus aureus	qualitative analysis		
		Pseudomonas aeruginosa	qualitative analysis		
		Escherichia coli	qualitative analysis		
ISO 22196:2011	Microorganisms	Measurement of antibacterial activity on plastics and other non-porous surfaces	≥ 0 (Log reduction)	BS-1	N

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09 Biological Testing

09.002 Microorganisms

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M ISO 22196:2011	Microorganisms	Measurement of antibacterial activity on plastics and other non-porous surfaces	≥ 0 (Log reduction)	BS-1	N
JIS Z 2801:2012	Microorganisms	Antibacterial products – Test for antibacterial activity and efficacy	≥ 0 (Log reduction)	BS-1	N
ISO 20743:2021	Microorganisms	Textiles – Determination of antibacterial activity of textile products 8.1 Absorption method 8.2 Transfer method	≥ 0 (Log reduction)	BS-1	N
JIS L 1902:2015	Microorganisms	Textiles – Determination of antibacterial activity and efficacy of textile products 8.1 Absorption method 8.2 Transfer method	≥ 0 (Log reduction)	BS-1	N
ASTM E2315-16	Microorganisms	Standard Guide for Assessment of Antimicrobial Activity Using a Time-Kill Procedure	(0 ~ 99.9999) % ≥ 0 (Log reduction)	BS-1	N
ASTM G21-15(2021)e1	Microorganisms	Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi	(0, 1, 2, 3, 4) Rating	BS-1	N
ISO 846:2019	Microorganisms	Plastics – Evaluation of the action of microorganisms 8.2.2 Fungal-growth test (method A) 8.2.3 Determination of fungistatic effect (method B)	(0, 1a, 1b, 1c, 2, 3, 4, 5) Rating	BS-1	N
ISO 16604:2004	Microorganisms	Clothing for protection against contact with blood and body fluids. Determination of resistance of protective clothing materials to penetration by blood-borne pathogens. Test method using Phi-X174 Bacteriophage	Pass / Fail	BS-1	N

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09 Biological Testing

09.002 Microorganisms

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 16604:2004	Microorganisms	Clothing for protection against contact with blood and body fluids. Determination of resistance of protective clothing materials to penetration by blood-borne pathogens. Test method using Phi-X174 Bacteriophage	Pass / Fail	BS-1	N
ASTM F1671/F1671M-1 3	Microorganisms	Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System	Pass / Fail	BS-1	N
ISO 22610:2006	Microorganisms	Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment – Test method to determine the resistance to wet bacterial penetration	≥ 0 CFU (0 ~ 6) IB	BS-1	N
KS K ISO 22610:2006	Microorganisms	Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment – Test method to determine the resistance to wet bacterial penetration	≥ 0 CFU (0 ~ 6) IB	BS-1	N
ISO 16603:2004	Microorganisms	Clothing for protection against contact with blood and body fluids – Determination of the resistance of protective clothing materials to penetration by blood and body fluids – Test method using synthetic blood	Pass / Fail	BS-1	N
KS K ISO 16603:2004	Microorganisms	Clothing for protection against contact with blood and body fluids – Determination of the resistance of protective clothing materials to penetration by blood and body fluids – Test method using synthetic blood	Pass / Fail	BS-1	N

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09 Biological Testing

09.002 Microorganisms

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM F1670/ F1670M:2017a	Microorganisms	Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood	Pass / Fail	BS-1	N
ASTM D 6329-98(2015)	Microorganisms	Standard Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers	≥ 0 CFU/sample	BS-1	N

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No. KT004

01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K 0820:2017	Textile and Related Products	Test method for feather and down	-	SF- 1- ①	N
		7.1 Composition	(0.1 ~ 100.0) %, 0.1 %		
		7.2 Species identification	(0.1 ~ 100.0) %, 0.1 %		
		7.3 Oxygen number	≥ 1.6 mg		
		7.4 Fill power	(2 ~ 300) mm, 2 mm		
		7.5 Turbidity	(1 ~ 1 000) mm, 1 mm		
		7.6 odor	Sensory Test (Pass, Fail)		
		7.8 content of moisture	(0.1 ~ 100.0) %, 0.1 %		
		7.9 Oil & fat content	(0.1 ~ 100.0) %, 0.1 %		
		7.12 Content of black point	(0.1 ~ 100.0) %, 0.1 %		
IDFB Testing Regulation:2020	Textile and Related Products	Testing Regulation	-	SF- 1- ①	N
		3. Composition (Content Analysis)	(0.1 ~ 100.0) %, 0.1 %		
		4. Fat and Oil	(0.1 ~ 100.0) %, 0.1 %		
		7. Oxygen Number	≥ 1.6 mg		
		10. Fill Power with Steam Conditioning	(2 ~ 300) mm, 2 mm		
		11. Turbidity with Automated NTU Meter	≥ 0.01 NTU, 0.01 NTU		
		12. Feather and Down Species	(0.1 ~ 100.0) %, 0.1 %		
JIS L 1903:2017	Textile and Related Products	Testing method for feathers	-	SF- 1- ①	N
		8.2 Composition	(0.1 ~ 100.0) %, 0.1 %		
		8.3 Filling Power	(2 ~ 300) mm, 2 mm		
		8.4 Oil and fat Content	(0.1 ~ 100.0) %, 0.1 %		
		8.6 Turbidity	(1 ~ 1 000) mm, 1 mm		
		8.7 Oxygen number	≥ 1.6 mg		
DIN EN 12131:2018	Textile and Related Products	Determination of the quantitative composition of feather and down	(0.1 ~ 100.0) %, 0.1 %	SF- 1- ①	N

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM D 4524-20	Textile and Related Products	Standard test method for composition of plumage	(0.1 ~ 100.0) %, 0.1 %	SF-1-①	N
DIN EN 1162:1996	Textile and Related Products	Determination of oxygen index number	≥ 1.6 mg	SF-1-①	N
KS K 0822:2012	Textile and Related Products	Test method for penetration resistance of cloth to passage of feather and down : Tumbling method	Pass, Fail	SF-1-①	N
DIN EN 12132-1:1998	Textile and Related Products	Feather and down - Methods of testing the down proof properties of fabrics - Part 1: Rubbing test	(1 ~ 50) ea, 1 ea	SF-1-①	N
EN 1164:1998	Textile and Related Products	Determination of the turbidity of an aqueous extract	(1 ~ 1 000) mm, 1 mm	SF-1-①	N
ASTM D 4522-14	Textile and Related Products	Standard performance specification for feather and down filling for textile products	(0.1 ~ 100.0) %, 0.1 %	SF-1-①	N
EN 1163:1996	Textile and Related Products	Determination of the oil and fat content	(0.1 ~ 100.0) %, 0.1 %	SF-1-①	N
GB/T 3923.2-2013	Textile and Related Products	Textiles - Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method (ISO 13934-2:1999, MOD)	(0.1 ~ 5 000) N 0.1 N	SF-1-①	N
GB/T 4802.1-2008	Textile and Related Products	Textiles-Determination of fabric propensity to surface fuzzing and to pilling-Part 1: Circular locus method	(1.0 ~ 5.0) grade (half step rating)	SF-1-①	N
GB/T 13772.2-2018	Textile and Related Products	Textiles - Determination of the slippage resistance of yarns at a seam in woven fabrics - Part 2: Fixed load method (ISO 13936-2:2004, MOD)	≥ 1 mm, 1 mm	SF-1-①	N

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
GB/T 3917.1-2009	Textile and Related Products	Textiles - Tear properties of fabrics - Part 1: Determination of tear force using ballistic pendulum method (Elmendorf) (ISO 13937-1:2000, IDT)	(0.1 ~ 300.0) N 0.1 N	SF-1-①	N
GB/T 3917.2-2009	Textile and Related Products	Textiles - Tear properties of fabrics -Part 2: Determination of tear force of trouser- shaped test specimens (Single tear method) (ISO 13937-2:2000, IDT)	(0.1 ~ 2 000) N, 0.1 N	SF-1-①	N
GB/T 3923.1-2013	Textile and Related Products	Textiles - Tensile properties of fabrics- Part 1: Determination of maximum force and elongation at maximum force using the strip method (ISO 13934-1:1999,MOD)	(0.1 ~ 5 000) N, 0.1 N	SF-1-①	N
ISO 6941:2003	Textile and Related Products	Textile fabrics-Burning behaviour-Measurement of flame spread properties of vertically oriented specimens	≥ 0.1 s	SF-1-①	N
ISO 13996:1999	Textile and Related Products	Protective clothing-Mechanical properties-Determination of resistance to puncture	(0.1 ~ 5 000) N, 0.1 N	SF-1-①	N
KS K ISO 13996:1999	Textile and Related Products	Protective clothing — Mechanical properties — Determination of resistance to puncture	(0.1 ~ 5 000) N, 0.1 N	SF-1-①	N
BS EN 388:2016+A1:2018	Textile and Related Products	Protective gloves against mechanical risks	-	SF-1-①	N
		6.1 Abrasion resistance	≥ 1 cycle		
		6.2 Blade cut resistance	(0.1 ~ 20.0) index, 0.1 index, (1 ~ 5) Level		
		6.3 Tear resistance	(0.1 ~ 5 000) N, 0.1 N		
		6.4 Puncture resistance	(0.1 ~ 5 000) N, 0.1 N		

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
EN 863:1995	Textile and Related Products	Mechanical properties of protective clothing. Determination of puncture resistance	(0.1 ~ 5 000) N, 0.1 N	SF-1-①	N
ISO 13997:1999	Textile and Related Products	Protective clothing – Mechanical properties – Determination of resistance to cutting by sharp objects	(0.1 ~ 20.0) index, 0.1 index, (1 ~ 5) Level	SF-1-①	N
KS K ISO 13997:1999	Textile and Related Products	Protective clothing — Mechanical properties — Determination of resistance to cutting by sharp objects	(0.1 ~ 20.0) index, 0.1 index, (1 ~ 5) Level	SF-1-①	N
ASTM F1790/F1790M-15	Textile and Related Products	Standard Test Method for Measuring Cut Resistance of Materials Used in Protective Clothing with CPP Test Equipment	(0.1 ~ 20.0) index, 0.1 index, (1 ~ 5) Level	SF-1-①	N
EN 530:2010	Textile and Related Products	Abrasion resistance of protective clothing material - Test methods	≥ 1 cycle	SF-1-①	N
ISO 16602:2007/Amd 1:2012	Textile and Related Products	Protective clothing for protection against chemicals -- Classification, labelling and performance requirements	-	SF-1-①	N
		6.14 Abrasion resistance	(0.1 ~ 999.9) kPa, 0.1 kPa		
		6.15 Flex cracking resistance	(0.1 ~ 999.9) kPa, 0.1 kPa		
KS K ISO 16602:2007	Textile and Related Products	Protective clothing for protection against chemicals — Classification, labelling and performance requirements	-	SF-1-①	N
		6.14 Abrasion resistance	(0.1 ~ 999.9) kPa, 0.1 kPa		
		6.15 Flex cracking resistance	(0.1 ~ 999.9) kPa, 0.1 kPa		

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS EN 943-1:2015+A1:2019	Textile and Related Products	Protective clothing against dangerous solid, liquid and gaseous chemicals, including liquid and solid aerosols. Performance requirements for Type 1 (gas-tight) chemical protective suits.	-	SF-1-①	N
		B.2.3 Abrasion resistance	(0.1 ~ 999.9) kPa, 0.1 kPa		
		B.2.4 Flex cracking resistance	(0.1 ~ 999.9) kPa, 0.1 kPa		
		B.2.5 Flex cracking resistance at -30 °C	(0.1 ~ 999.9) kPa, 0.1 kPa		
BS EN 14325:2018	Textile and Related Products	Protective clothing against chemicals. Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages	-	SF-1-①	N
		4.4 Abrasion resistance	(0.1 ~ 999.9) kPa, 0.1 kPa		
		4.5 Flex cracking resistance	(0.1 ~ 999.9) kPa, 0.1 kPa		
		4.6 Flex cracking resistance at -30 °C	(0.1 ~ 999.9) kPa, 0.1 kPa		
KFI Certification standard No.204:2015	Textile and Related Products	Chemical protective clothing for structural fire fighter	-	SF-1-①	N
		Article 10. Abrasion resistance	(0.1 ~ 999.9) kPa, 0.1 kPa		
		Article 11. Flex cracking resistance	(0.1 ~ 999.9) kPa, 0.1 kPa		
KS K 0855:2018	Textile and Related Products	Test method of resistance to damage by flexing for rubber or plastics coated fabric	(0.0 ~ 3.0) grade (half step rating)	SF-1-①	N

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ISO 17493:2016	Textile and Related Products	Clothing and equipment for protection against heat--Test method for convective heat resistance using a hot air circulating oven	(-100.0 ~ 100.0) %, 0.1 %	SF-1-①	N
KS K ISO 17493:2016	Textile and Related Products	Clothing and equipment for protection against heat — Test method for convective heat resistance using a hot air circulating oven	(-100.0 ~ 100.0) %, 0.1 %	SF-1-①	N
KS K ISO 15025:2016	Textile and Related Products	Protective clothing — Protection against flame — Method of test for limited flame spread	≥ 0.1 s	SF-1-①	N
ISO 15025:2016	Textile and Related Products	Protective clothing – Protection against heat and flame – Method of test for limited flame spread	≥ 0.1 s	SF-1-①	N
ISO 6942:2022	Textile and Related Products	Protective clothing - Protection against heat and fire - Method of test: Evaluation of materials and material assemblies when exposed to a source of radiant heat	≥ 0.1 s	SF-1-①	N
ISO 9151:2016	Textile and Related Products	Protective clothing against heat and flame -- Determination of heat transmission on exposure to flame	≥ 0.1 s	SF-1-①	N
BS EN 367:1992	Textile and Related Products	Protective clothing. Protection against heat and fire. Method for determining heat transmission on exposure to flame	≥ 0.1 s	SF-1-①	N
ISO 12127-1:2015	Textile and Related Products	Clothing for protection against heat and flame -- Determination of contact heat transmission through protective clothing or constituent materials -- Part 1: Test method using contact heat produced by heating cylinder	≥ 0.1 s	SF-1-①	N

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 12127-1:2015	Textile and Related Products	Clothing for protection against heat and flame — Determination of contact heat transmission through protective clothing or constituent materials — Part 1: Contact heat produced by heating cylinder	≥ 0.1 s	SF-1-①	N
BS EN 702:1995	Textile and Related Products	Protective clothing. Protection against heat and flame. Test method. Determination of the contact heat transmission through protective clothing or its materials	≥ 0.1 s	SF-1-①	N
ASTM D 6413/D 6413M-15	Textile and Related Products	Standard Test Method for Flame Resistance of Textiles (Vertical Test)	≥ 0.1 s, (1 ~ 300) mm, 1 mm	SF-1-①	N
BS EN 13274-4:2020	Textile and Related Products	Respiratory protective devices. Methods of test. Flame tests	-	SF-1-①	N
		8. Single burner moving specimen test : Method 3	≥ 0.1 s		
ISO 16602:2007	Textile and Related Products	Protective clothing for protection against chemicals - Classification, labelling and performance requirements	-	SF-1-①	N
		6.16 Resistance to flame	≥ 0.1 s, (0.1 ~ 999.9) kPa, 0.1 kPa		
		7.6.5 Resistance to ignition	≥ 0.1 s		
KS K ISO 16602:2010	Textile and Related Products	Protective clothing for protection against chemicals — Classification, labelling and performance requirements	-	SF-1-①	N
		6.16 Resistance to flame	≥ 0.1 s, (0.1 ~ 999.9) kPa, 0.1 kPa		
		7.6.5 Resistance to ignition	≥ 0.1 s		

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
BS EN 14325:2018	Textile and Related Products	Protective clothing against chemicals. Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages.	-	SF-1-①	N
		4.14 Resistance to ignition	≥ 0.1 s		
		4.15 Resistance to flame	≥ 0.1 s, (0.1 ~ 999.9) kPa, 0.1 kPa		
ISO 17492:2019	Textile and Related Products	Clothing for protection against heat and flame -- Determination of heat transmission on exposure to both flame and radiant heat	≥ 0.1 s	SF-1-①	N
KS K ISO 17492:2019	Textile and Related Products	Clothing for protection against heat and flame — Determination of heat transmission on exposure to both flame and radiant heat	≥ 0.1 s, ≥ 1 kW/m ²	SF-1-①	N
ASTM F2700-08	Textile and Related Products	Standard test method for unsteady state heat transfer evaluation of flame resistant materials for clothing with continuous heating	≥ 0.1 s, ≥ 1 kW/m ²	SF-1-①	N
NFPA 1971:2018	Textile and Related Products	Standard on-protective ensembles for structural fire fighting and proximity fire fighting	-	SF-1-①	N
		8.6 Heat and Thermal shrinkage resistance test	(-100.0 ~ 100.0) %, 0.1 %		
		8.10 Thermal protective performance(TPP) test	≥ 1 kW/m ²		

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01 Mechanical Testing

01.002 Textile and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
NFPA 2112:2018	Textile and Related Products	Standard on flame-resistant garments for protection of industrial personnel against flash fire.	-	SF- 1- ①	N
		8.2 Heat Transfer Performance (HTP) Test	$\geq 1 \text{ kWs/m}^2$		
		8.4 Heat and Thermal shrinkage resistance test	(-100.0 ~ 100.0) %, 0.1 %		

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
GB 18401-2010	Textiles	National general safety technical code for textile products	-	SF-1-	N
		6.7 Odor	Odor / No odor	①	
FZ/T 01026-2017	Textiles	Textiles – Quantitative chemical analysis – Multinary fibre mixtures	(0.1 ~ 100) % 0.1 %	SF-1- ①	N
FZ/T 30003-2009	Textiles	Method for quantitative analysis of ramie (flax hemp)cotton blended textile. Micro projection	(0.1 ~ 100) % 0.1 %	SF-1- ①	N
GB/T 16988-2013	Textiles	Quantitative determination for mixtures of special animal fibre and wool	(0.1 ~ 100) % 0.1 %	SF-1- ①	N
IWTO-8-2011	Textiles	METHOD OF DETERMINING FIBRE DIAMETER DISTRIBUTION PARAMETERS AND PERCENTAGE OF MEDULLATED FIBRES IN WOOL AND OTHER ANIMAL FIBRES BY THE PROJECTION MICROSCOPE	0.01 μm	SF-1- ①	N
IWTO-58-2000	Textiles	SCANNING ELECTRON MICROSCOPIC ANALYSIS OF SPECIALTY FIBRES AND SHEEP'S WOOL AND THEIR BLENDS	0.1 %	SF-1- ①	N
KS K ISO 17751-1:2016	Textiles	Textiles — Quantitative analysis of cashmere, wool, other specialty animal fibers and their blends — Part 1: Light microscopy method	(0.1 ~ 100) % 0.1 %	SF-1- ①	N
KS K ISO 17751-2:2016	Textiles	Textiles — Quantitative analysis of cashmere, wool, other specialty animal fibers and their blends — Part 2: Scanning electron microscopy method	(0.1 ~ 100) % 0.1 %	SF-1- ①	N

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
IWTO-10:2003	Textiles	METHOD FOR THE DETERMINATION OF THE DICHLOROMETHANE SOLUBLE MATTER IN COMBED WOOL AND COMMERCIALY SCAURED OR CARBONISED WOOL	0.1 %	SF-1-①	N
IWTO Regulations	Textiles	CONDITION TESTING REGULATIONS FOR WOOL TOPS	-	SF-1-①	N
GB/T 3920-2008	Textiles	Textiles-Tests for colour fastness-Colour fastness to rubbing	(1 ~ 5) grade (half step rating)	SF-1-①	N
GB/T 3921-2008	Textiles	Textiles-Tests for colour fastness-Colour fastness to washing with soap or soap and soda	(1 ~ 5) grade (half step rating)	SF-1-①	N
GB/T 3922-2013	Textiles	Textiles-Tests for colour fastness-Colour fastness to perspiration	(1 ~ 5) grade (half step rating)	SF-1-①	N
GB/T 5713-2013	Textiles	Textiles-Tests for colour fastness-Colour fastness to water	(1 ~ 5) grade (half step rating)	SF-1-①	N
GB/T 8427-2019	Textiles	Textiles-Tests for color fastness-Color fastness to artificial light : Xenon arc	(1 ~ 8) grade (half step rating)	SF-1-①	N
GB/T 8433-2013	Textiles	Textiles-Tests for colour fastness-Colour fastness to chlorinates water (swimming- pool water)	(1 ~ 5) grade (half step rating)	SF-1-①	N
GB/T 18886-2019	Textiles	Textiles-Tests for colour fastness-Colour fastness to saliva	(1 ~ 5) grade (half step rating)	SF-1-①	N
FZ/T 01057.1-2007	Textiles	Test method for identification of textile fibers-Part 1. General introduction	-	SF-1-①	N

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
FZ/T 01057.2-2007	Textiles	Test method for identification of textile fibers-Part 2. Burning behavior	-	SF-1- ①	N
GB/T 2910.16-2009	Textiles	Textiles-Quantitative chemical analysis-Part16 : Mixtures of polypropylene and certain other fibres (method using xylene)	(0.1 ~ 100) % 0.1 %	SF-1- ①	N
GB/T 2910.17-2009	Textiles	Textiles-Quantitative chemical analysis-Part17 : Mixtures of chlorofibers (homopolymers of vinyl chloride) and certain other fibres (method using sulfuric acid)	(0.1 ~ 100) % 0.1 %	SF-1- ①	N
GB/T 2910.18-2009	Textiles	Textiles-Quantitative chemical analysis-Part18 : Mixtures of silk and wool or hair (method using sulfuric acid)	(0.1 ~ 100) % 0.1 %	SF-1- ①	N
GB/T 2910.19-2009	Textiles	Textiles-Quantitative chemical analysis-Part19 : Mixtures of cellulose fibers and asbestos (method by heating)	(0.1 ~ 100) % 0.1 %	SF-1- ①	N
GB/T 2910.20-2009	Textiles	Textiles-Quantitative chemical analysis-Part20 : Mixtures of elastane and some other fibers (method of using dimethylacetamide)	(0.1 ~ 100) % 0.1 %	SF-1- ①	N
GB/T 2910.21-2009	Textiles	Textiles-Quantitative chemical analysis-Part21 : Mixtures of chlorofibers, certain modacrylics, certain elastanes, acetates, triacetates and certain other fibers (method using cyclohexanone)	(0.1 ~ 100) % 0.1 %	SF-1- ①	N
GB/T 2910.22-2009	Textiles	Textiles-Quantitative chemical analysis-Part22 : Mixtures of viscose or certain types of cupro or modal or lyocell and flax of ramie fibers (method using formic acid and zinc chloride)	(0.1 ~ 100) % 0.1 %	SF-1- ①	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
GB/T 2910.23-2009	Textiles	Textiles-Quantitative chemical analysis-Part23 : Mixtures of polyethylene and polypropylene (method using cyclohexanone)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.24-2009	Textiles	Textile-Quantitative chemical analysis Part24 : Mixtures of polyester and some other fibres (method using phenol and tetrachloroethane)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T2910.101-2 009	Textiles	Textiles-Quantitative chemical analysis-Part101 : Mixtures of soybean protein composite fibre and certain other fibres	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 5711-2015	Textiles	Textiles—Tests for colour fastness—Colour fastness to drycleaning using perchloroethylene solvent	(1 ~ 5) grade (half step rating)	SF- 1- ①	N
GB/T 14576-2009	Textiles	Textiles—Tests for colour fastness—Colour fastness to light of textiles wetted with artificial perspiration	(1 ~ 5) grade (half step rating)	SF- 1- ①	N
FZ/T 01057.3-2007	Textiles	Test method for identification of textile fibers-Part 3. Microscopy	-	SF- 1- ①	N
FZ/T 01057.4-2007	Textiles	Test method for identification of textile fibers-Part 4. Solubility	-	SF- 1- ①	N
FZ/T 01057.5-2007	Textiles	Test method for identification of textile fibers-Part 5. Qualitative observation of colour-production for chlorine and nitrogen	-	SF- 1- ①	N
GB/T 2910.1-2009	Textiles	Textiles-Quantitative chemical analysis-Part1 : General principles of testing	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
GB/T 2910.2-2009	Textiles	Textiles-Quantitative chemical analysis-Part2 : Ternary fibre mixture	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.3-2009	Textiles	Textiles-Quantitative chemical analysis-Part3 : Mixtures of acetate and certain other fibers	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.4-2009	Textiles	Textiles-Quantitative chemical analysis-Part4 : Mixtures of certain protein and certain other fibers (method using hypochlorite)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.5-2009	Textiles	Textiles-Quantitative chemical analysis-Part5 : Mixtures of viscose cupro or modal and cotton fibres (method using sodium zincate)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.6-2009	Textiles	Textiles-Quantitative chemical analysis-Part6 : Mixtures of viscose of certain types of cupro or modal or lyocell and cotton fibres (method using formic acid and zinc chloride)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.7-2009	Textiles	Textiles-Quantitative chemical analysis-Part7 : Mixtures of polyamide and certain other fibres (method using formic acid)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.8-2009	Textiles	Textiles-Quantitative chemical analysis-Part8 : Mixtures of acetate and triacetate fibres (method using acetone)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.9-2009	Textiles	Textiles-Quantitative chemical analysis-Part9 : Mixtures of acetate and triacetate fibres (method using benzyl alcohol)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N

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Test method	Products and materials	Standard designation	Test range	Site	Field testing
GB/T 2910.10-2009	Textiles	Textiles-Quantitative chemical analysis-Part10 : Mixtures of triacetate or polylactide and certain other fibres (method using dichloromethane)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.11-2009	Textiles	Textiles-Quantitative chemical analysis-Part11 : Mixtures of cellulose and polyester fibres (method using sulfuric acid)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.12-2009	Textiles	Textiles-Quantitative chemical analysis-Part12 : Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (method using dimethylformamide)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.13-2009	Textiles	Textiles-Quantitative chemical analysis-Part13 : Mixtures of certain chlorofibers and certain other fibers (method using carbon disulfide/acetone)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.14-2009	Textiles	Textiles-Quantitative chemical analysis-Part14 : Mixtures of acetate and certain chlorofibres (method using acetic acid)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
GB/T 2910.15-2009	Textiles	Textiles-Quantitative chemical analysis-Part15 : Mixtures of jute and certain animal fibres (method by determining nitrogen content)	(0.1 ~ 100) % 0.1 %	SF- 1- ①	N
ISO 6529:2013	Textiles	Protective clothing-Protective against chemicals-determination of resistance of protective clothing materials to permeation by liquids and gases	1 µg/cm ² /min	SF- 1- ①	N

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02 Chemical Testing

02.026 Textiles

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS K ISO 6529:2015	Textiles	Protective clothing — Protection against chemicals — Determination of resistance of protective clothing materials to permeation by liquids and gases	1 µg/cm ² /min	SF-1-①	N
ASTM F 739-20	Textiles	Standard Test Method for Permeation of Liquids and Gases through Protective Clothing Materials under Conditions of Continuous Contact	0.1 µg/cm ² /min	SF-1-①	N
MOEL Notice No.2020-35(01.1 5.2020.)	Textiles	Reserve Duty Safety Certification Notice	-	SF-1-①	N
		Chapter 9. Protective Clothing	-		
		Section 2. Protective clothing against chemicals	-		
		Test method for Protective clothing against chemicals, Attached Table 8-4 (Article 25)	-		
		2. Permeation resistance against chemicals	1 µg/cm ² /min		
BS EN 374-3:2003	Textiles	Protective gloves against chemicals and micro-organisms. Determination of resistance to permeation by chemicals	1 µg/cm ² /min	SF-1-①	N
ISO 6530:2005	Textiles	Protective clothing - Protection against liquid chemicals - Test method for resistance of materials to penetration by liquids	0.1 %	SF-1-①	N
KS K ISO 6530:2005	Textiles	Protective clothing — Protection against liquid chemicals — Test method for resistance of materials to penetration by liquids	0.1 %	SF-1-①	N

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01 Mechanical Testing

01.010 Plastic and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM D 792-20	Plastic and Related Products	Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement	(0.001 ~ 410) g	SF-2-①	N
ASTM D 2584-18	Plastic and Related Products	Standard Test Method for Ignition Loss of Cured Reinforced Resins	≤ 1 300 °C	SF-2-①	N
ASTM D 2734-16	Plastic and Related Products	Standard Test Methods for Void Content of Reinforced Plastics	(0.001 ~ 410) g	SF-2-①	N
ASTM D 3039/D 3039M-17	Plastic and Related Products	Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials	≤ 250 kN	SF-2-①	N
ASTM E 1545-11	Plastic and Related Products	Standard Test Method for Assignment of the Glass Transition Temperature by Thermomechanical Analysis	(-150 ~ 1 000) °C	SF-2-①	N
KS M ISO 11359-2:1999	Plastic and Related Products	Plastics — Thermomechanical analysis (TMA) — Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature	(-150 ~ 1 000) °C	SF-2-①	N
KS M ISO 11359-3:2002	Plastic and Related Products	Plastics — Thermomechanical analysis(TMA) — Part3 : Determination of penetration temperature	(-150 ~ 1 000) °C	SF-2-①	N
KS M ISO 11357-2:2015	Plastic and Related Products	Plastics — Differential scanning calorimetry(DSC) — Part 2: Determination of glass transition temperature and glass transition step height	(-90 ~ 725) °C	SF-2-①	N
KS M ISO 11357-3:2011	Plastic and Related Products	Plastics — Differential scanning calorimetry(DSC) — Part3 : Determination of temperature and enthalpy of melting and crystallization	(-90 ~ 725) °C	SF-2-①	N

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01 Mechanical Testing

01.010 Plastic and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
KS M ISO 845:2006	Plastic and Related Products	Cellular plastics and rubbers — Determination of apparent density	(0.5 ~ 300) mm (0.001 ~ 410) g	SF-2-①	N
ASTM E 1640-18	Plastic and Related Products	Standard Test Method for Assignment of the Glass Transition Temperature By Dynamic mechanical Analysis	(-90 ~ 600) °C	SF-2-①	N
KS M ISO 6721-4:2008	Plastic and Related Products	Plastics — Determination of dynamic mechanical properties — Part4 : Tensile vibration — Non-resonance method	(-90 ~ 600) °C	SF-2-①	N
ISO 6721-4:2019	Plastic and Related Products	Plastics-Determination of dynamic mechanical properties-Part 4: Tensile vibration-Non-resonance method	(-90 ~ 600) °C	SF-2-①	N
KS M ISO 527-4:1997	Plastic and Related Products	Plastics — Determination of tensile properties — Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites	≤ 250 kN	SF-2-①	N
ASTM D638-14	Plastic and Related Products	Standard Test Method for Tensile Properties of Plastics	≤ 250 kN	SF-2-①	N
ASTM D3410/D3410M-16e1	Plastic and Related Products	Standard Test Method for Compressive Properties of Polymer Matrix Composite Materials with Unsupported Gage Section by Shear Loading	≤ 250 kN	SF-2-①	N
ASTM D2344/D2344M-16	Plastic and Related Products	Standard Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates	≤ 5 kN	SF-2-①	N
ASTM D790-17	Plastic and Related Products	Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials	≤ 5 kN	SF-2-①	N

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01 Mechanical Testing

01.010 Plastic and Related Products

Test method	Products and materials	Standard designation	Test range	Site	Field testing
ASTM D695-15	Plastic and Related Products	Standard Test Method for Compressive Properties of Rigid Plastics	≤ 250 kN	SF-2-①	N
ASTM D 7028-07	Plastic and Related Products	Standard Test Method for Glass Transition Temperature (DMA T_g) of Polymer Matrix Composites by Dynamic Mechanical Analysis (DMA)	$(-90 \sim 600)$ °C	SF-2-①	N
ASTM E 1131-20	Plastic and Related Products	Standard Test Method for Compositional Analysis by Thermogravimetry	$\leq 1\ 000$ °C	SF-2-①	N

End.