

신년사



가

가

WTO

가

가

가

block

가

가

3

가

가

, 가 .

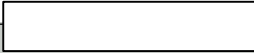
가 , 가 .

upgrade ,

, .
upgrade ,

가 가

가 가 가 ,
global standard 가



global standard

partner NIST DIN

, ,

가

가

가

bottleneck

가

Communication

!

가

가

2003 1 2

가/동철



58

2003

가 가

『 2003

2002 12 27 () 9

()

30 ,

(509-7270 7)

(NT)

가

가

14

2002. 12. 18

() 2 ,

408

· EU ·

가

(509-7307)



— (3): () ,
() , NCC()

2002. 12. 17(). 11:00

(NT),

(GR

(NT)

(GR) 13 13

1 14 () 10 30 ,

○

—

(1): ()

.

: (509-7270 7)

02) 509-7354 bmahn@ats.go.kr

1.

2. (reliability)

data)

가

(field

가

가

A/S
/10

A/S

10

가

PL

2

가

가

(: %)

가

가

	1 (97)	3 (95)	5 (93)
	24.1 (75)	46.6 (23)	64.7 (19)
	3.2	19.9	34.6
	16.0	40.9	55.6

가

가

2

가

가

2

가

가

1970

가

()

25%

가

가

가

가

가 , 가 , 2005 . 3,200
 가 , 가 가 (, ,
 가 가 ,) 05 250
 . 가 . 가 .
 가 , 가 . 가 ()
 가 가 가 ,
 . , . .

3. .



가 가 가 가 가 가 가 가 가 가 가
 가 가 가 (failure
 report)
 가 가 가 가 가
 가

(Interdisciplinary Technology)

가 . 가 , 7
 2010 10 , 8
 5 . 가 가



, 18 가 가 .
 가 가 , 가 가 .
 , 가 ,
 가 .
 가 가 .
 110 22 50 가 가 .
 , 2003 . 2003 . 가
 , 가 ,
 , ,
 가 ,
 가 가 .
 , , 가 Wyle
 Lab(), TUV() 가 가
 가 ,
 , ,
 , ,
 , ,
 , .

< >

가 가

		2001	2002	가
(24)		(), , , ,	Brake, Flexible hose&Fiting, Seal& Packing, (breaker), , Oil cooler	
	-	()	E/S step, E/S hand rail	
	-	-		()
(18)		, ECU,	MAP blower motor, (TCU)	
(19)	, PCB	VCO,	C-mic, (,	
		, ,	PLL modull, RF Noise suppressing device (SMPS)	
	-	LCD Backlight	LCD , 16	
(12)	-	, , , 2 ,	(UPS), , ,	
		-	,	
가 (14)		가 가 , ()	exhaust manifold, , strip,	
	-	가 ()	가 , Cr	KIST
	-			
(9)		, , ,	cable PC , stay	RIST
(16)	O-	, , ,	, , ,	
	-		, , ,	()
	-	-	, , ,	()
	-	-		()
(11)		, , ,	, / ,	
	-		, , ,	()
	-	-	/	()
123	12	42	69	18

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(沈菜類)

가 , (tissues) 가 , .
 가
 가 , 가 (靑角菜)
 가 가
 가 , (glutamic soda) 가 .
 가 (glutamine) (結晶性)
 (有機酸 : organic acid) (芳香 : aroma)
 , ,
 (乳酸菌: lactic acid bacilli)
 (淨腸作用) . (熟成 : maturation)
 11 (滲透作用) (醱酵)
 20 가 , 가



가 , 가 가 (fusion) 가 .

가 , 가 가 2 3%, 3 가 .

4 4 5%, 7 10% .

가 가 .

(osmotic action) . 20%

가 . 500

가 .

가 (低溫) (冷藏) , (冷藏庫 : refrigerator)

(貯藏性 : storage capacity) .

(乳酸 球菌) 가 100% .

(乳酸桿菌) , (乳酸 長桿菌) (lactic acid) , , , .

가

(preservation against decay) 가

가7% (Ester) ,

가

가 1,200,000

1,400,000

1

1,500,000 가

02) 579- 3291 mhk@esak.or.kr

가 1973 10
12
1974 1 4
1960 30
1974
1966 16
가
가

2000 7 1

가
가

3

1 가

(IECEE)

가

가
가

(病名)

, 20km,

2ton

, 120km, 12ton

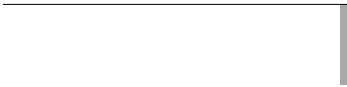
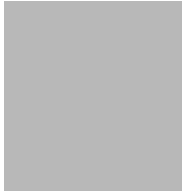
20

가

()

2 가

가



가

가 ,

가

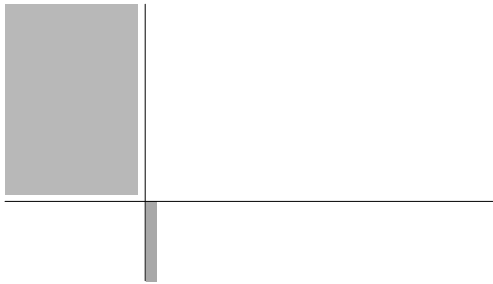
가

2002. 7. 1

가
가

가

가



02)509-7397 dwlee@ats.go.kr

2002.10 , 3
(World Knowledge Forum) “
”
.

- { }
- . : Bain & Company社
- . : , 가
- . : 社
- . :

_____ (Bain & Company社)

(SVW) P&G
가

P&G , 가

() P&G
. P&G
. P&G

WTO 가

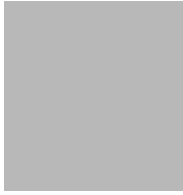
,
가

_____ (_____ , 가)

80%
80%

가

, , , , , ...



가

가

가

()

가

2002

GDP 30%

7%

가

가

()

WTO가

2006

3가

가

가

가

가

가

3

가

30

hole chip

18

4가

가

가

가

, 8가

가

가? 4가

가

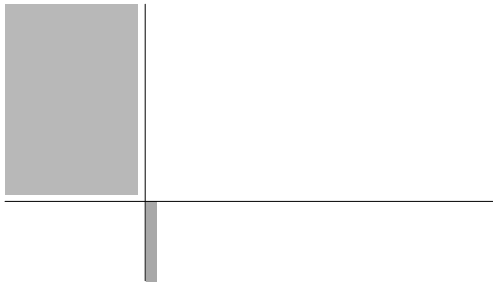
가

가

가

가

가



02) 509-7264 jonghoi@ats.go.kr

(Ethylene Glycol:EG) Engine
 (Propylene Glycol:PG) 1/3 (가 ,) , 2/3
 Engine

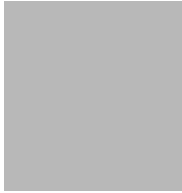
Engine
 (coolant)

1

1.

(EG)	1	AF	
	2	LLC	
(PG)	2	LLC	

AF : Antifreeze or Antifreezing liquid
 LLC : Long Life Coolant



197 ,

(-13)

가

가

가

가

가

가

가

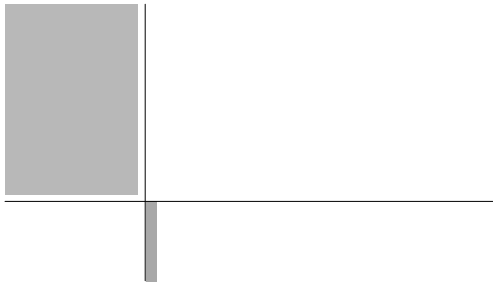
2

2.

	100	197.8
	0	- 12.6
	72.5	46.5
	1(0.999)	1.113
	1	0.561
(5 ~ 50)	3%	4.2%
(20)	1333	143.18

3.

(:)	()		
1:1	-36 ~ 37	8	50%
2:3	-24 ~ 25	6	40%
1:2	- 18 ~ 19	5	33%
1:3	- 12 ~ 13	3	25%



() 가 .

, , , , , , , ,

. , ,

, .

4.

		-KS -가 - .Q
		- - ()
	가 가	- () ,
		-
		-Flushing - -
		- 가 가

. 가

KS M 2142 ASTM D 3306, JIS K 2234

45 . , , , ,

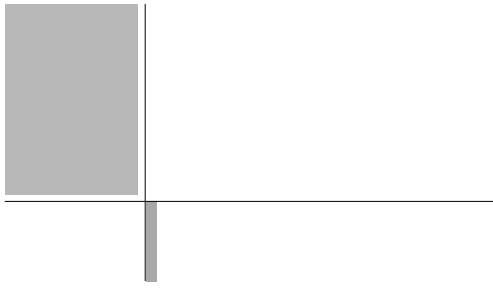
.

28,000kℓ (2001) ,
 , KS

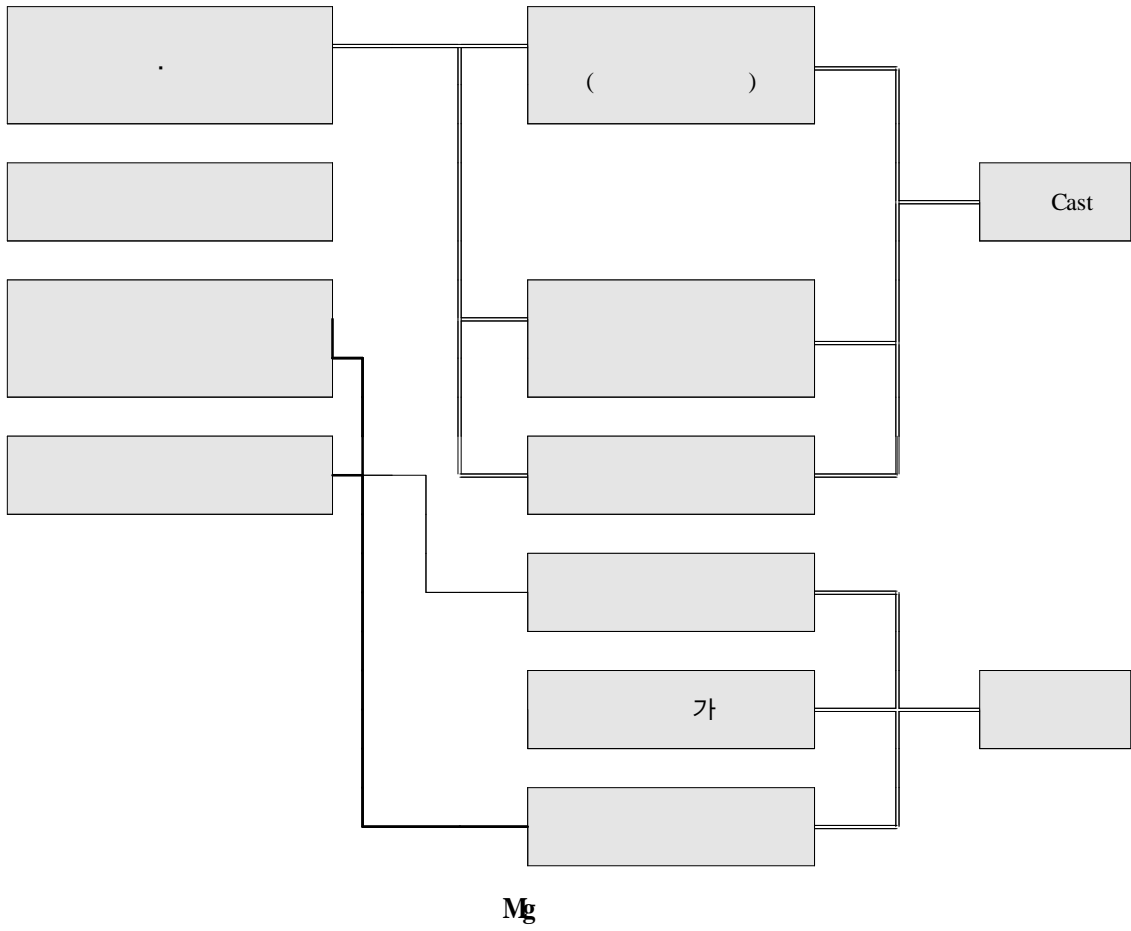
(90%)EG

5.

No				
1	()		75-2	KS(TYPE/2)
2	()		334-36	
3	()		1 502	
4	()		511	
5	()		466-1	
6			B	
7	()		353	
8	()		623- 12(10B 13L)	
9			208-8	
10	()		156-42	
11	()		70	
12			99-6	
13			635- 10	
14			244	
15	()		280- 1	
16	()		1- 1	
17	()		789- 1	
18	()		789-2	
19	()		152	
20	()		936- 1	
21	()		206-39	
22			386	
23	()		600	KS(EG, PG)
24	()		750- 1	
25	()		736- 14	
26			952- 521	



.
 1 1 ,
 , 2
 . (- "F" "L"
 "F")
 , (5 가 , 가
) , 가
 , 가
 가
 Non-Amine, Non-Borax, Non-Silicate,
 Non-Nitrite가



3.

가
가

1)

, , ,
Mg
,
,
Mg

3
2000

10 20%

가

Transmission Case , Engine Plug,
Transmission Side Cover, Transmission Case, Engine Piston

- 2000

4. 가

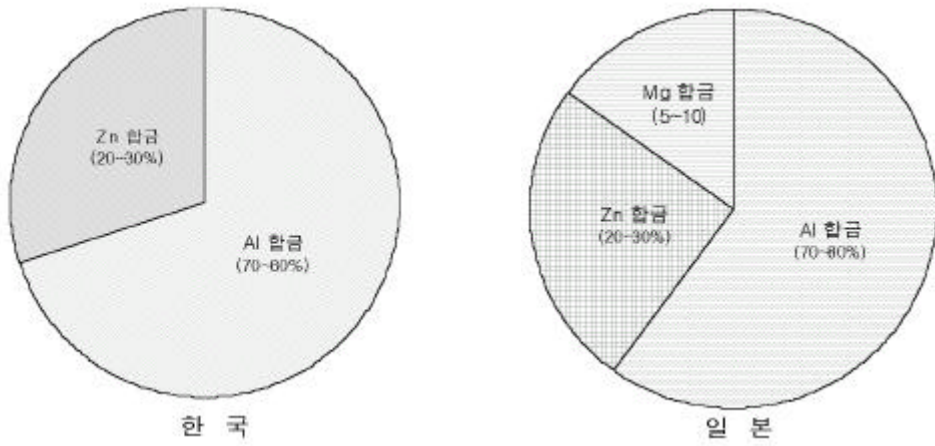
1) 가

- 가 가 (Al 가)

						OA	%
Die Cast法							70
Investment法							50
重力 鑄造法							50
低壓 鑄造法							70
Squeeze Cast法							10
半 熔融 加工法							
壓出 加工法							80

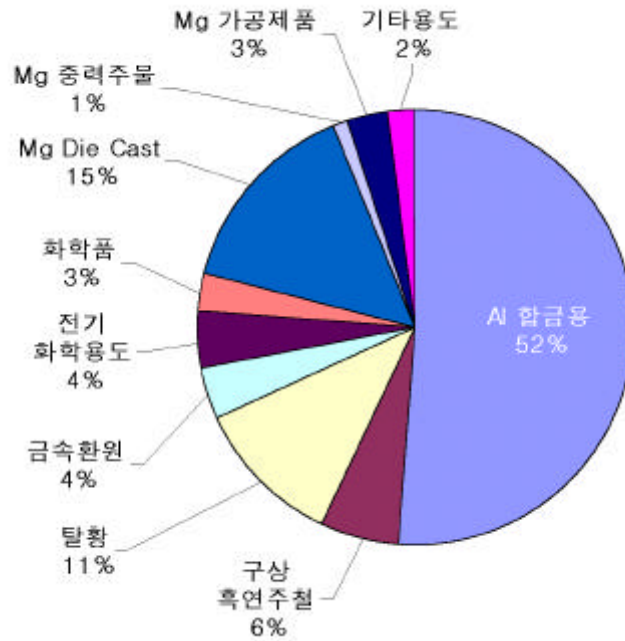
- Die Cast Al, Zn , Mg
- Squeeze Cast
- 가 , Mg 가

○ Die Cast



○ Mg ()

— Mg 15% 2 . (Mg 資料)



5.

Mg
例

62%

가

	t' (%)	(0)	
○ (4.2)	1035 (62.0)	0	-
○ (AV)	94 (5.6)	0	-
○ ()	115 (6.9)	0	-
○	13 (0.8)	0	0
○ ()	370 (22.2)	-	0
○	6 (0.4)	0	0
○ (,)	5 (0.3)	0	0
○	31(1.8)	0	0

6.

가

가

가

가 가 , 가 ,
Mg

가



()

1. 70 2

1-1. 80
가
10%
. 90

(가)

1-2

, 60

가

. 70

. 60

30 40%

70 2 8000 10%

95% 가



가

가 가

1-3. “ ”

가 가

가

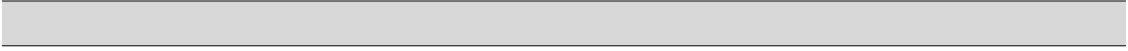
1-5. () () 가

가 가

가 , Rheology , 가 가

가

1-4. 가



가 . 90

가

가 . 10 15% IMF

가 10%

. 2000 , 2002

1-6. , , 가

. 10%

60 , , 가

2002 8% 5%

2003 2 3 5

70 가 가

가 2-2.

(1)

가 가 . 2002 ,

가 가

가 가

가 , 가 . 2003

가

2. 6% , SOC ,

7%

2-1. 가

가 가 2002

(2)

가 , SOC ,

(5)

2002 가 2003 가가 , 2002

(3)

Line , , , 가 , 가 , 가 , 가 , 가 , 가 , PC 가 , PCM 가 2003 10%

가 가 , 2001 (: KL)

	182,511
	57,899
	14,263
	96,190
	26,344
	107,134
	37,991
	35,996
	36,733
	10,495
	183,825
	789,381

(4)

2003 가 , 2-3. 2003 2003 가 2002 8% 5% 2 3 5 가



28% (6 5) 가 2-4.
 2002 2003 1 (1) 가
 2002 . 90
 가
 5% 가
 가 ,
 가 가 가
 가 가 .
 (2)
 2001 .
 (: , MT) 가 .

1	9,721	3,307	15,378	2,575
2	15,009	5,822	15,188	2,524
3	19,033	7,212	19,041	3,333
4	14,977	5,767	17,115	2,837
5	16,601	6,391	18,718	3,483
6	15,746	5,703	18,480	3,880
7	12,556	4,521	19,296	4,022
8	13,040	4,876	18,625	3,728
9	14,439	4,806	18,448	3,373
10	13,097	4,402	18,217	3,776
11	13,538	4,853	20,448	4,410
12	10,564	3,568	17,344	3,713
	168,564	61,228	216,298	41,654

(3)
 가
 75% 가
 가
 가 가 가
 가 가 가

(4)

가

(2)

가

2-5.

(1)

(3)

가2

1

1/2

2

Coating

(4)

가

가

가

60 70%

가

(Decoration)

가

1/2

Network

가

M&A

가

가

가

가

가

(7)

(5)

가

가

가

3.

ISO KS

Database

가

ISO TC 35(,

가

) 268 (2002)

SC(sub committee) 6 가

가

(6)

가

TC 35/SC 1 Terminology

TC 35/SC 2 Pigments and extenders

TC 35/SC 9 General test method for paint
and vanishes

TC 35/SC 10 Test methods for binders for
paints and varnishes

TC 35/SC 12 Preparation of steel substrates
before application of paints and
related products

Globalization

Network

Akzo

Nobel Courtaulds , DuPont Herberts

, PPG Porter Paint Bollig & Kemper

가

TC 35/SC 14 Protective paint systems for
steel structures

SC 9(General test method for paint and
vanishes) working group TC 35/SC 9/WG 25
Environmental tests

TC 35/SC 9/WG 26 Performance tests

TC 35/SC 9/WG 28 Physical properties of
paint films and liquid paints 가

() 2002 4

NWIP(New Work Item Proposal) N 1598,
Scribing method of coated metallic panels for
corrosion testing

. KS 272 ISO

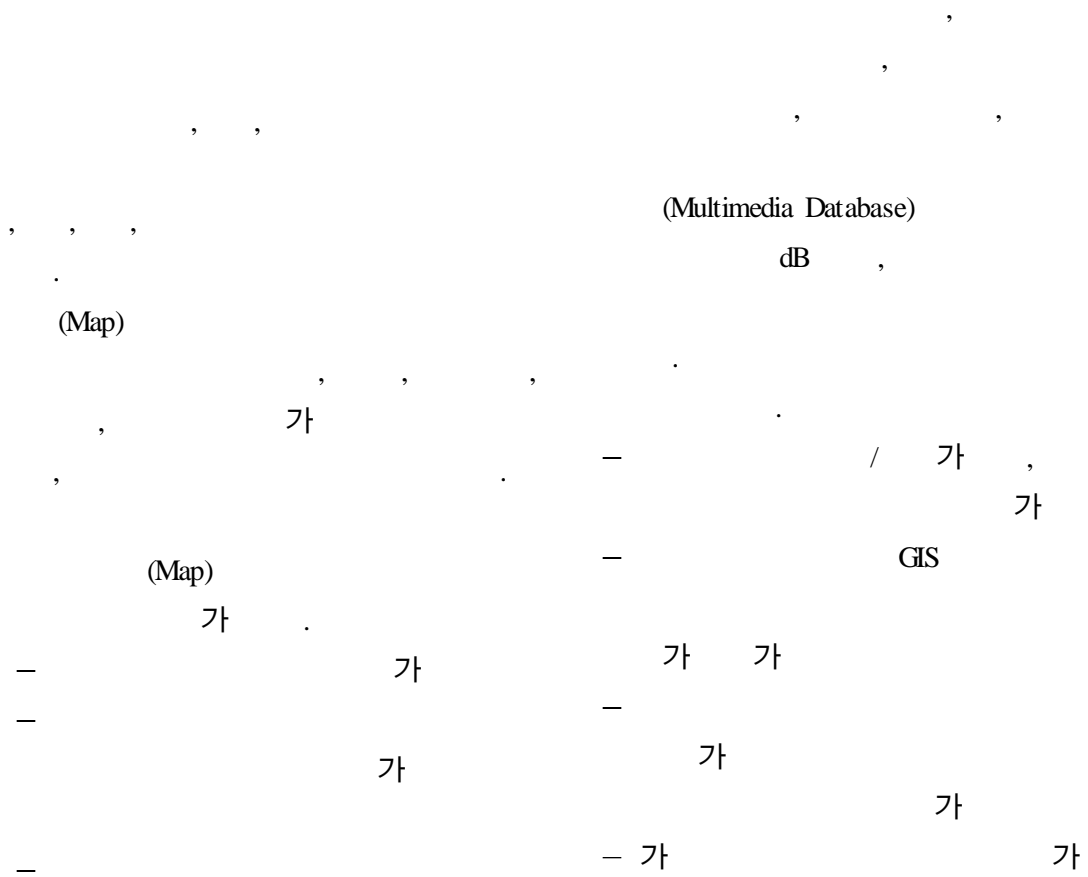
() .

(GIS)

02) 509-7335 parkss@ats.go.kr

1. GIS

GIS(Geographic Information System) ?





(, ,) 가 ○
가 (

GIS LBS(Location Based :
Service,), GPS(Global Positioning ○
System,), ITS(Intelligent transports (,
systems,) ,)

Navigation (2)
System, , ,

– GIS
(MS-DOS, Windows95, WindowsNT, UNIX

2. GIS

– , , 가

–
– , ,

(3)
○

○ GIS

(4)

○ GIS 가
(, ,)

3. GIS

가

가 . (5)

(1)

, , 가

(6)

(2)

(7) /

(3)

Navigation System

가

(ITS)

(4)



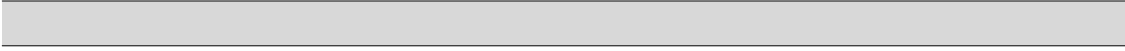
4. GIS

- / GIS
- /
- GIS : GIS
- GIS/GPS ()
- ()
- , H/W S/W
- (2) KS KS X 1516 () 14 KS KS KS
- GIS GPS
- GIS , , , , , KS

5. GIS

(1) GIS

- GIS (3)
- , /
- ,
- 가
- 가 , 1994



(TC211) , 가
 . TC 211 Olaf Østensen (Norway) ,
 57 (P- :30 , O- 가 “
 :27) . ”가 2001 10 Working Document
 가 CD
 (1983) ISO 6709(.
 ,)가 , ,
 가 (Location Based Service) 2002
 7 30 8 3 ,
 2000 ISO 19105 (2002 11 11 15 ())
) 3 , 15 ISO TC211()
 (Location Based Service) 가 .
 가 ISO/CD KS “ 5 ”
 19134 () 49 2001 2005 80 KS
 . / , 2002 2 LBS(
 29 235 ()
 :100) GIS , , KS
 OGC(Open GIS Consortium) .
 ISO TC211
 Open GIS
 ,
 () , ETRI, , ,
 , SK C&C .

6.

(ISO) 1995 P-
 가 1996 3



Focus

가 「 」 「 2006
61 5 \$, 1 5
가2 가

() “ .



CJ ()	()	L	2	9	4	58
	()					

() Chipset TV .



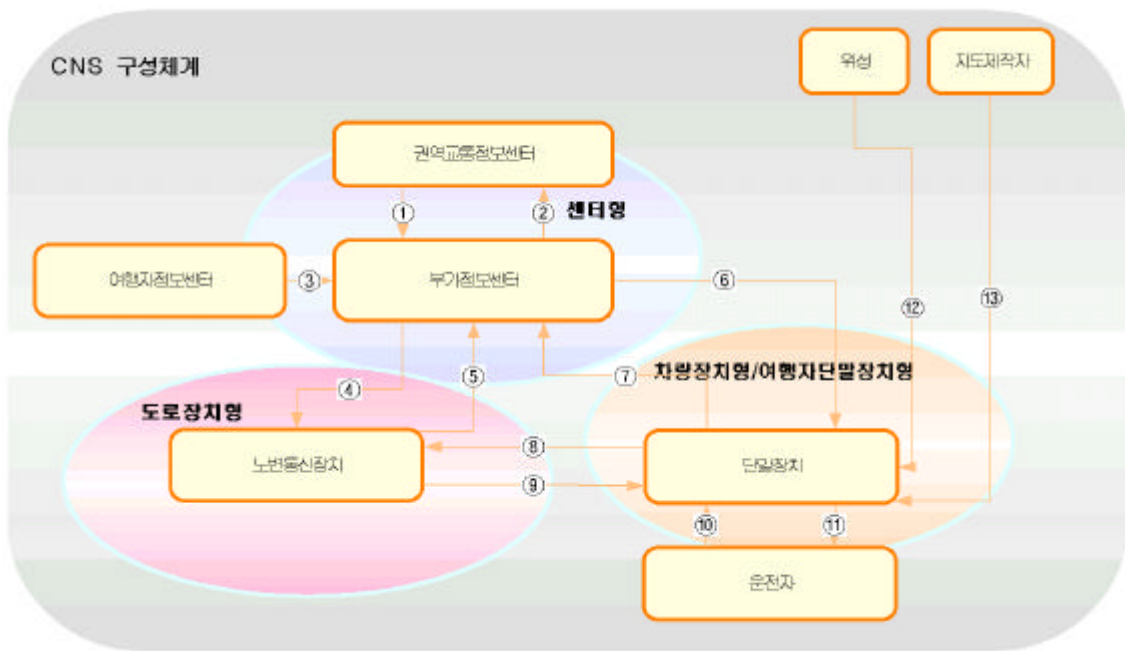
CNS(Car Navigation System)

02) 6009- 8402

Transportation System; ITS) .
(Intelligent Transportation System)
가
21
System
ITS
가
가
가
가
ITS
, 2015
4,250 ITS
가
ITS
, 가
90
가
ITS 가
가
" (Car
Navigation System ; CNS) ,
PCS,
(Intelligent TRS, PDA



가 , 가
 GPS , , ITS
 가 , CNS
 , WTO/TBT
 () ITS
 DB
 ITS
 , 가 ITS 가
 가 . 가
 “ ” CNS
 ITS
 가



[1] CNS



< 1 >

	/ / /
	/
	/ / / /
	/ / / / / /
	/
	/ / / /
	/ / /
	/

. ITS 가

ITS ITS . 3가

CNS “ ITS ”

CNS , ETIS

CNS DRGS AFD .

CNS AFD (Architecture

Flow Diagram) < -1 > .

. CNS , ,

“ ITS ”

1. CNS

/ ,

CNS

CNS가가



CNS

2. CNS
CNS



3. CNS

< 2 >

	<ul style="list-style-type: none"> • , • ,
	<ul style="list-style-type: none"> • / / •
	<ul style="list-style-type: none"> • / •
	<ul style="list-style-type: none"> • , • , ,
	<ul style="list-style-type: none"> • , , , ()



가 . CNS 가 , CNS
 . CNS 가 ,
 < 1> ITS
 . , CNS , , (DSRC) ,
 , , () ,
 . , ITS 가 , ITS
 , .
 (AVI) (AEI) , , .
 ITS (GDF-K) , CNS
 (PSF) , ITS .
 (DAL) (API) ,
 ITS . CNS
 , CNS
 , CNS
 < 3> CNS

CNS	, ,
	, ,
	, , / ,
	, , ,



ITS가
,
TC204
CNS TC204 Working Group
3,9,10,11,15,16
ITS
ITS CNS
CNS 가
KOTI
ITS 가 21
ITS CNS
가 가
ITS
ITS CNS
CNS 가
ITS
CNS 가 가

가



!

가

가

가

가

가

가

가

가

가

가

가

가



가

?

가

(情恨)

「 」

가

가

?

가

가

가

가

!

가

.가

가



(雪人) !

!

(行禪)

가 . 가
가 .

가 .
가 .

!
!

가 .
가 .

* 1960

*

* : , , ,

* : , , , ,

* , .

!

가 .

가

가



Philips

(開墾) 》

1917 11 7

10 (十月革命 : October Revolution)

(Azov 海)

(Rostov 市)가

가 (Volga 江)

1,970km

(Abia)

(Messenia)

(Hercules)

(乳)

1965 母)

(Peloponnesus)

(M. G. Sholokhov)가 (Arcadia)

《 (Don 江)》

, 1926

4

1940

가 (1905 1984)

가 10

12가

《 》, 《 》 《 가

가 !

가 《 (Herman und Dorothea)》가 , 1797 . 《 (懲毖錄)》
 (實戰譚類) 《 (壬辰錄)》
 가

가 (牧歌的) 《 》 가
 (理想)

가 《 (劉 , (經書) 忠烈傳)》

(軍談小說) 가 《 (林慶業傳)》 《 (趙雄傳)》
 ! 가 《 (鄭寒潭)》 (For Whom the Bell Tolls) 1940
 가 가


, 가 72


가 (流離分散) (漂泊) (道僧)


, 가 (見事生風) ?

C


NT


	
	()
	가 , 가 ,


	Windows Kernel / 
	()
	nProtect Desktop , PC , ,


	가 
	()
	가 가 2 가 가


• • • • •


		
	()	
	1/3	, Arc start 99%

		
	()	
	(MRI)	
	(shimming)	


	(PEALD)	
	()	
	(15 2)가 , (200 °C 300 °C)	
	가 ,	


	CCFL	
	()	
	<p>CCFL() , CCFL() , 70% 70% , 5 10 가</p>	

	TFT-LCD	
	()SKC	
	<p>Haze , UV</p>	


		
	()	
	<p>(CCD) (Dispensing), (Glass Bonding), (Curing) () (Epoxy)</p>	


• • • • •


	
	()
	<p>bump bump</p> <p>가</p> <p>bump</p>

	MPEG-2 
	()
	<p>MPEG-2(ISO/IEC 13818-2)</p> <p>, (16Ch.)</p> <p>(DVR-Digital Video Recorder)</p> <p>, 가</p> <p>Skipping (</p> <p>)</p>


EM


	(0.032%)	
	()	
	,	S/W


		
	()	
	가	.
	,	가 ,
	,	


		
	() .	
		.

• • • • •

	(500mm) 
	()
	가 , , ,


	
	()
	가 , 3- (ppm)

	
	()
	200 Protective-type () Preventative-type() 180 ° , 가


	
	()
	가 (HPV) HPV DNA HPV


EEC

	(4ton/hr) 
	()
	(950) 95%


	가 (, 120,000Sm ³ /hr) 
	()
	가 , 가 가

• • • • •

	[(가 , 가 1,317,000Sm ³ /hr)]	
	()	
	가 (SOx) , 가	

	(, 가 64,800Sm ³ /hr)	
	()	
	가 (NOx) , 가 NOx	

GR

	()	
	()	
	<ul style="list-style-type: none"> ○ 8 12% 5 8% 80 87% Poly-urethane 가 ○ . , , ○ . ○ 가 . ○ . 	



KS

A study on the KS standardization of functional corrugated fibreboard

02) 509-7260 yongmoo@ats.go.kr

abstract

In order to keep a characteristic corrugated fibreboard of fruits and flowers, temperature and humidity change of corrugated fibreboard are analyzed. According to relative humidity rises at fixed temperature, bursting strength of corrugated fibreboard was fallen and double wall corrugated fibreboard appeared greatly the bursting strength decline rate than double faced corrugated fibreboard and edgewise compressive strength of paper more than humidity 80% in rapidly fall. A column crush test of paper became decrease in the high temperature and ordinary temperature strength did over humidity 70% rapidly fallen and strength decrease happened by low temperature 80% slowly fallen and later rapidly. According to ISO standard temperature humidity conditioning (23±2°C, 50±2%) change, pulp composition difference as

to the ring crush strength of a physical strength and generally compare to KS standard increased 5~8% for the compressive strength, and wet strength reagent was increased 4% inside and out.

1.

,
 ,가
 . , , .
 .
 가 가
 가 ,
 .
 가 가
 .



(白) (色)

가

가

가

(cold chain system)

가.

1)

KSM 7502 1962

R2

5

1980

R6

가

1986

. 1986

가

가) : A · B · C 3

가

가

가

3

가

KK, KA, KB, KC 4

가

가

가

)

:

AA · A · B

가

가

가



) (가) :

) : 가 가

가 ISO
kgf/cm² · m²/g {kPa · m²/g}

) (가) : ,

) : 가

) : 가
3 1

2)

KSM 7076 1974

3) ISO

1999 ISO

ISO SI
SI KS

KS

1996 . 1996

SI
{ }

KS

가) : A · B · C 3 ,
5 1992

SI

89.8%

) : ±4%

ISO

) :

가

KS

가

KSM 7012(

)1 20 ± 2°C, 65 ± 2%



$23 \pm 2^{\circ}\text{C}/50 \pm 2\%$

4)

ISO 1977 ISO187 $23 \pm 2^{\circ}\text{C}/50 \pm 2\%$

(low grade)

$20 \pm 2^{\circ}\text{C}/65 \pm 2\%$

가

가

가

가

가

가

가200m

250m

가

가

가

$20 \pm 2^{\circ}\text{C}/65 \pm 2\%$ 23

$\pm 2^{\circ}\text{C}/50 \pm 2\%$

가

가

(, , ,)

가

$23 \pm 2^{\circ}\text{C}/50 \pm 2\%$

가

가

가

가

가

(1) $23 \pm 2^{\circ}\text{C}/50 \pm 2\%$

20

$\pm 2^{\circ}\text{C}/65 \pm 2\%$

가

가

가

(2)

65%RH

$23 \pm 2^{\circ}\text{C}/50 \pm 2\%$

가

(3) $23 \pm 2^{\circ}\text{C}/50 \pm 2\%$

65%

가

(4)

23 ± 2

가

$^{\circ}\text{C}/50 \pm 2\%$

가

가



가 KS M 7502
 가 60%가) 1
 80%)
 가
 가 KLB 225

가 KS 1.

2.

DW	K2 180/S 120/S 120/S 120/ KI80	314	11.6	

가.

1)

가)

$$= (\quad + \quad) \times 0.95$$

$$= (\quad + \quad) \times 0.95$$

24
 ISO 23
 $\pm 2^\circ\text{C}/50 \pm 2\%$ KS $20 \pm 2^\circ\text{C}/65 \pm 2\%$
 5°C
 30, 40°C, 70%,
 80%, 90%

$$P1 = \frac{R_o + T_x \cdot R_m + R_i}{152.4(\text{mm})} \times 50(\text{mm})$$

$$P1 = \frac{R_o + T_x \cdot R_m + R_i}{152.4(\text{mm})} (\text{N/m})$$

)



$$P1 = \frac{Ro + Tx \cdot Rm + Rc + TB \cdot Rm + Ri}{152.4(mm)} \times 50(mm)$$

$$P1 = \frac{Ro + Tx \cdot Rm + Rc + TB \cdot Rm + Ri}{152.4(mm)} (N/m)$$

P1 : (kgf/50mm)

P2 : (kgf/50mm)

Ro : (kgf)

Rm : (kgf)

Ri : (kgf)

Rc : (kgf)

Tx : A = TA = 1.6

B = TB = 1.4

C = TC = 1.5

가 . S120

가 KOCC
가 90%, KONP가 7%, 3% 1
KONP KOCC

가

KNOP 가 가

가 가
short span tester
ISO KS

3.

가

가.

1 8

S 120

가 가

가

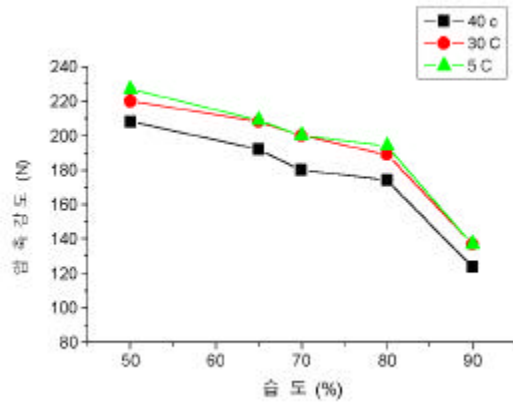
가

가 80%

가 90%

50%

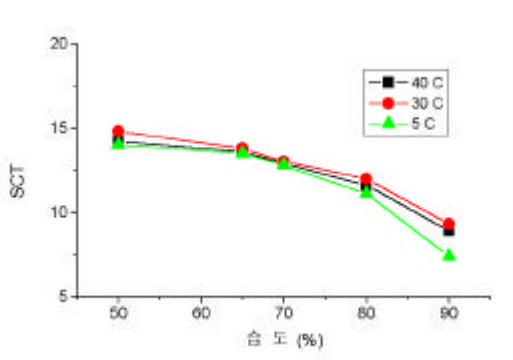
1/2



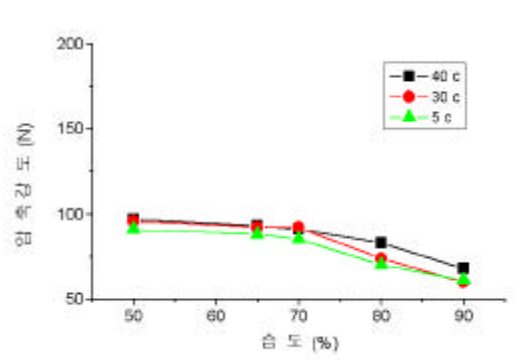
1.

(K 180

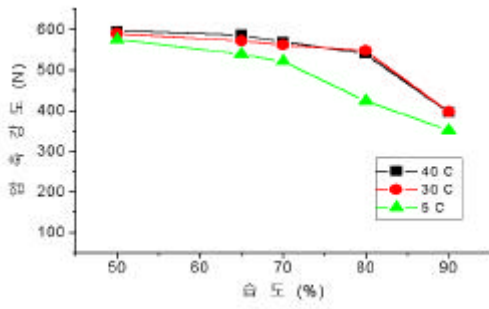
가



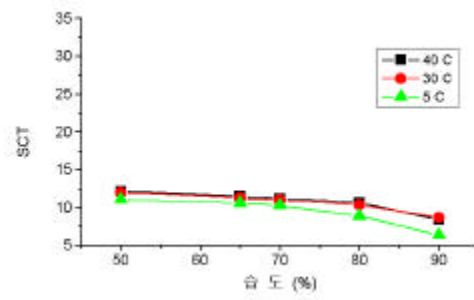
2. SCT (K 180)



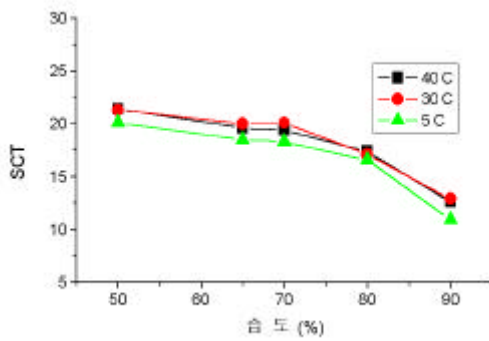
5. (S 120)



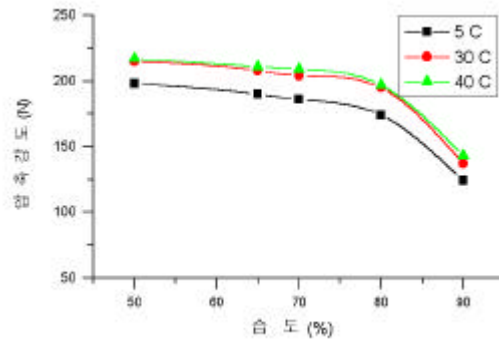
3. (KLB 225)



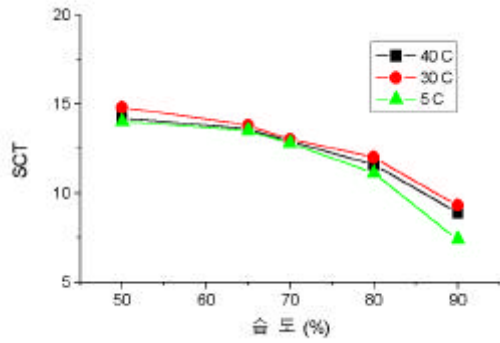
6. SCT (S 120)



4. SCT (KLB 225)



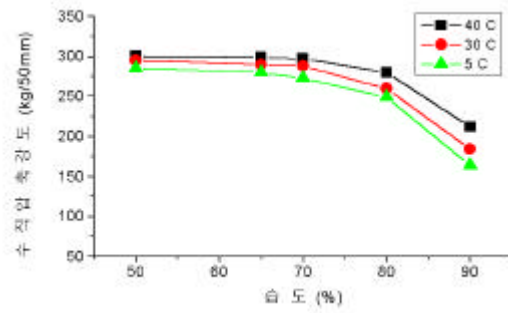
7. (K2 180)



8. SCT (K2 180)

가
가
가 80%

가
가



9. (DW)

가
0-2°C
10-20°C
(edgewise compressive strength)
ISO KS
5 5°C 40°C 가
40°C ISO 50%, 가
KS 65%, 70%, 80% 90% 가
50% 90% 5 가
9 가



4 399 kg/50mm 200m/
8 268 kg/50mm 130m/
24 234 kg/50mm
48 213
kg/50mm, 72 205 kg/50mm
. 24 , 48 , 72
48
가 25%
72 48 가5%

,
48 가 가
7 65% 50% 가
가 5 8 % 가
10 20%
5°C 40°C SK K
12 17% , 10 15%
가 90% 가 52 kg/50mm 가 가 ton 10 가
가 , 80% 36 kg/50mm 가
가 가
가 가
KNOP 가 가
가 가
ISO 가 가
. 2
가 200m/min 가



5 9% 가 가 23±2 °C, 50±2 %
 가 가 20% . 3 .

180 g/m² 280 KPa 303
 225 .

1
 가
 1.5 kgf/cm² 2.5 kgf/cm²

2.

1.

	50%	65%	70%	80%	90%
(kgf/cm ²)	11.9	11.6	11.3	10.8	10.3

shot span tester

2

A K180 SK180
 2.86 3.95 가
 22.3 25.7

가

가 가

K180 2.8
 SK180 3.9

8

ISO

				CD	CD	MD	MD
DI DK180	183.8	307	167	276	150	407	221
U K180	182.9	232	127	221	121	324	175
U K180()	181.8	277	152	241	133	355	203
DL K180	186.7	302	162	280	150	351	188
Y K180	180.8	330	183	274	152	379	210
S K180	181.2	232	128	235	130	316	174
W K180	184.3	225	122	232	126	310	168
A K180	179.3	286	160	223	124	333	186
DW K180	182.0	326	179	249	137	395	217
Avg	182.5	280	150	248	136	356	195
Y SK180	184.0	460	250	297	162	422	229
A SK180	182.0	395	217	257	141	373	205
H SK180	183.2	395	216	286	156	401	219
DI SK180	178.9	399	223	262	146	390	218
W SK180	177.2	357	201	234	132	382	216
S SK180	182.8	330	181	294	161	417	228
J SK180	177.1	361	204	245	138	366	207
Avg	180.7	390	210	268	148	393	217
D CK180	185.4	394	212	332	179	486	262
J KLB175	178.3	689	386	326	183	426	239
J 180	178.2	342	192	249	139	249	139
J KLB225	226.2	776	343	426	188	640	283
J KLB300	302.3	1112	368	589	195	869	287
J 210	211.6	597	282	358	169	543	256
J 210	211.0	526	249	340	161	512	243
J 180	179.8	334	186	232	129	351	195
DL TKLB150	155.5	241	155	193	124	280	180
DY B150	155.6	176	113	185	119	267	172



ring crush short span test

ISO 80%

short span test 가 — 가

ring crush 가

short span test 70% 가

3 short span (5°C) 80%

test 가

short span test 3) ISO (23±2°C, 50±2%)

10% 가 가

ISO 가 가 KS

ISO , KS KS 가 5 8% 가

가 10 17% 가 가

4% 가

4.

1) ()
A OCC K OCC

2)

— 가

가



()

○

(IEC)

가

()

(2003-1 , 2003.13)

— , 2003.1. 30

(TEL : 02-509-7411/3, FAX : 02-507-6875)

— 가

○ 가 (6)

— 가 , 2-3 IPX0

(K 60320-2-3)

— , () (K 60923)

— , 2-1 : () (K 61347-2-1)

— , 2-8 : (K 61347-2-8)

— , 2-10 : ()

(K 61347-2-10)

— 가 , 2 :

(K 70000)



[]



- () -
KS A ISO 1000 2002.12.30 (SI) RM
 • IDT • ISO1000 (SI)
 • ICS : 01.060

KS A ISO 7870 2002.12.30 -
 • IDT • ISO7870 -
 • ICS : 03.120.30



- () -
KS A ISO 5725-1 2002.12.30 ()
)- 1 :
 • IDT • ISO5725-1 ()
)- 1 :
 • ICS : 03.120.30;17.020

KS A ISO 5725-2 2002.12.30 ()
)- 2 :
 • IDT • ISO5725-2 ()
)- 2 :
 • ICS : 03.120.30;17.020

KS A ISO 5725-3 2002.12.30 ()
)- 3 :
 • IDT • ISO5725-3 ()

)- 3 :
 • ICS : 03.120.30;17.020

KS A ISO 5725-4 2002.12.30 ()
)- 4 :

• IDT • ISO5725-1 ()
)- 4 :
 • ICS : 03.120.30;17.020

KS A ISO 5725-6 2002.12.30 ()
)- 6 :

• IDT • ISO5725-6 ()
)- 6 :
 • ICS : 03.120.30;17.020



- () -
KS A 0004 2002.12.30 .
 KSA ISO 5725-1 4,6

KS A 0101 2002.12.30
 KSA ISO 31-11

KS A 0102 2002.12.30 ,
 KSA ISO 31-1 13

KS A 3001 2002.12.30
 KSA 3001-1 3

KS A 3101 2002.12.30
 KSA ISO 2859-0

KS A 3105 2002.12.30 1
 KSA ISO 5725-1 4,6

KS A 3106 2002.12.30
 KSA 3103

KS A 3107 2002.12.30
 KSA ISO 8422

KS A 3108 2002.12.30
,)
KSA ISO 8423

KS A 3109 2002.12.30
)
KSA ISO 2859-0 3

KS A 3111 2002.12.30 1
KSA ISO 8423

KS A 3202 2002.12.30 x
KSA 3201

KS A 3203 2002.12.30
KSA 3201

KS A 3251 2002.12.30
KSA 3251-1 2

KS A 3252 2002.12.30
,)
KSA 3251-1 2

KS A 3253 2002.12.30
,)
KSA 3251-1 2

KS A 3254 2002.12.30
,)
KSA 3251-1 2

KS A 3255 2002.12.30
,)
KSA 3251-1 2

KS A 3256 2002.12.30
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KSA 3251-1 2

KS A 3257 2002.12.30
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KSA 3251-1 2

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KS A 3258 2002.12.30
)
KSA 3251-1 2

KS A 3259 2002.12.30
KSA 3251-1 2

KS A 3260 2002.12.30
KSA 3251-1 2

KS A 3261 2002.12.30
KSA 3251-1 2

KS A 3262 2002.12.30
)
KSA 3251-1 2

KS A 3263 2002.12.30
KSA 3251-1 2

KS A 3264 2002.12.30
KSA 3251-1 2

KS A 3265 2002.12.30
KSA 3251-1 2

KS A 3266 2002.12.30
KSA 3251-1 2

KS A 3267 2002.12.30
KSA 3251-1 2

KS A 3268 2002.12.30
KSA 3251-1 2

KS A 3269 2002.12.30
KSA 3251-1 2



KS A 3804 2002.12.30

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- () -

KS A Guide 53 2002.12.31 3

•
• ICS : 03.120.00

KS A Guide 28 2002.12.31 3

• 가
3 , • ICS :
03.120.00

KS A Guide 23 2002.12.31 3

•
• ICS : 03.120.00

KS A Guide 60 2002.12.31 가

• 가,
• ICS : 03.120.00

KS A Guide 7 2002.12.31 가

• 가
• ICS : 03.120.00

KS A 14048 2002.12.31 - 가 -

• 가
• ICS : 13.020.00

KS A 14015 2002.12.31 - 가

• 가
• ICS : 13.020.10

KS A Guide71 2002.12.31

•
• ICS : 03.120

KS A Guide27 2002.12.31

•
• ICS : 03.120.00

KS A 19011 2002.12.31 .

• .
• ICS : 03.120.00

KS A TR17010 2002.12.31

• 가
• ICS : 03.120.10

KS A Guide 22 2002.12.31

• , ,
• ICS : 03.120.00

KS A Guide 43-2 2002.12.31

2 :
•
• ICS : 03.120.00

KS A Guide 43-1 2002.12.31

1 :
• ,
• ICS : 03.120.00

KS A Guide 2 2002.12.31 -

•
• ICS : 01.040.01

KS A Guide73 2002.12.31 - -

•
• ICS : 01.040.01



()
 KS D ISO 6509 2002. 12. 19



()
 KS A ISO 14146 2002. 12. 19

KS A ISO 8769 2002. 12. 19
 (0.15MeV)
 가

KS A 3004 2002. 12. 19



()
 KS A 4030 2002. 12. 19 가
 • KS A 4026 가
 가



()
 KS F 4042 2002.12. 5

가

• ICS : 91.100.10.

KS F 4931 2002.12. 5

• ICS : 91.120.30

KS F 4932 2002.12. 5

• ICS : 91.200.30

KS G ISO 378 2002.12.27

• ISO 378

• ICS : 97.220.30

KS F ISO 379 2002.12.27

• ISO 379

• ICS : 97.220.30

KS F ISO 2394 2002.12.27

• ISO 2394

가
 • ICS : 91.080.01

KS A 0961 2002.12.28

• ICS : 01.020, 03.080.30

KS A 0962 2002.12.28

• ICS : 03.080.30

KS A 0963 2002.12.28

가
• ICS : 03.080.30



- () -

KS F 4561 2002. 12. 3
• (KS M 6951)
• ICS : 91.100

KS F 4007 2002. 12. 3
•
• ICS : 91.080.40

KS F 4008 2002. 12. 3
•
• ICS : 91.060.40

KS F 4012 2002. 12. 3
•
• ICS : 91.100.30

KS F 4304 2002. 12. 3 PC
•
• ICS : 91.100.30

KS F 4405 2002. 12. 3
•
• ICS : 91.100.30

KS F 4406 2002. 12. 3
•
• ICS : 91.100.30

KS F 4409 2002. 12. 3
•
• ICS : 91.100.30

KS G 3218 2002. 12. 3 -
•
• ICS : 97.180

KS G 3701 2002. 12. 3
•
• ICS : 97.140

KS G 3703 2002. 12. 3
•
• ICS : 91.140.20

KS G 4031 2002. 12. 3 가
•
• ICS : 97.140

KS F 3503 2002. 12. 5
•
• ICS : 91.120.20

KS F 4524 2002. 12. 5
• : • ICS : 91.060.50

KS F 4714 2002. 12. 5
• : • ICS : 91.120.10

KS F 4737 2002. 12. 5
•
• ICS : 91.060.10

KS F 4911 2002. 12. 5
• : • ICS : 91.120.30

KS F 4917 2002. 12. 5
• : • ICS : 91.120.30

KS F 5602 2002. 12. 5
• : • ICS : 91.060.50

KS F 3101 2002. 12.19

•
• ICS : 91.100.30

KS F 3110 2002. 12.19

•
• ICS : 91.100.30

KS F 3111 2002. 12.19

•
• ICS : 91.100.30

KS F 3304 2002. 12.19

•
• ICS : 91.100.30

KS F 3305 2002. 12.19

•
• ICS : 91.100.30

KS F 3314 2002. 12.19

•
• ICS : 91.100.30

KS F 5108 2002. 12.19

•
• ICS : 91.100.30

KS F 2502 2002. 12.20 가

• ISO 6274 • ICS : 91.100.00

KS F 2505 2002. 12.20

• ISO 6782
• ICS : 91.100.00

KS F 2509 2002. 12.20

•
• ICS : 91.100.30

KS F 2529 2002. 12.20

• ICS : 91.100.30

KS F 2533 2002.12.20

• ICS : 91.100.30

KS F 2544 2002. 12.20

•
• ICS : 91.100.30

KS F 2560 2002. 12.20

•
• ICS : 91.100.30

KS F 3104 2002. 12.27

• 1,220mm, 1,830mm
2,440mm 가 • ICS : 79.060.20

KS F 3128 2002. 12.27

• KS F 1515 650
700, 750, 800, 950mm 가 • ICS : 79.060.20

KS F 3200 2002. 12.27

• 910mm, 1,220mm
1,830mm, 2,440mm 가 • ICS : 79.060.20

KS F 4035 2002. 12.27

• 25mm (7)
• : 4.0N/mm²
• : 5.0N/mm²
• ICS : 91.100.30

KS L 5111 2002. 12.27

• (ASTM C 230-98) • ICS : 91.100.10

KS L 5116 2002. 12.27

•
가 •
6 가 • ICS : 91.100.40

KS L 5121 2002. 12.27	•	•	• ICS : 91.100.30
•			
•	• ICS : 91.100.30	KS F 2507 2002. 12.27	
KS L 5126 2002. 12.27	•	•	• ICS : 91.100.00
•	가.	가	
•	(ASTM C 186-98)	KS F 2508 2002. 12.27	
• ICS : 91.100.10		•	• ICS : 91.100.00
KS L 5316 2002. 12.27	•	•	• ICS : 91.100.00
• B() 가.	(ASTM C 473-00)	KS F 2510 2002. 12.27	
ICS : 91.100.10		•	• ICS : 91.100.30
KS L 5406 2002. 12.27	•	•	
•	:	KS F 2512 2002. 12.27	
• ICS : 81.060.20		•	• ICS : 91.100.00
KS L 5508 2002. 12.27	•	•	• ICS : 91.100.00
•	가(ASTM C 593-95)	KS F 2516 2002. 12.27	
• SI	• ICS : 91.100.10	•	• ICS : 91.100.00
KS L 9005 2002. 12.27	(•	• ICS : 91.100.00
)		KS F 2550 2002. 12.30	
• (H2O, 10%)		•	• ICS : 91.100.00
,	가	KS F 2571 2002. 12.30	
• ICS : 81.060.20		(
KS L 9102 2002. 12.27	•	•	• ICS : 91.100.30
•	:	KS F 4602 2002. 12.30	
• 20	• ICS : 91.120.10	•	• ICS : 93.020
KS L 9204 2002. 12.27	•	•	
•		KS F 4603 2002. 12.30 H	
가 (ASTM C 472-99)	• ICS : 91.100.30	•	• ICS : 93.020
KS F 2563 2002. 12.27	•	•	
•	• ICS : 91.100.30		
KS F 2449 2002. 12.27		KS F 2300 2002. 12. 5	
		KS F 2445 2002. 12.14	

• (ISO) · (ISO)			KS M ISO 7410 2002.12.31	-	-
KS M ISO 8633 2002.12.31	-		• (ISO) · (ISO)		
• (ISO) · (ISO)			KS M ISO 7408 2002.12.31	-	
KS M ISO 8603 2002.12.31	-	-	-		
• (ISO) · (ISO)			• (ISO) · (ISO)		
KS M ISO 8398 2002.12.31	-		KS M ISO 7407 2002.12.31	-	-
• (ISO) · (ISO)			• (ISO)		
KS M ISO 8397 2002.12.31	-		KS M ISO 6598 2002.12.31	-	-
• (ISO) · (ISO)			• (ISO)		
KS M ISO 7409 2002.12.31	-	-	KS M ISO 5318 2002.12.31	-	-
• (ISO) · (ISO)			• (ISO)		
KS M ISO 8358 2002.12.31	-		KS M ISO 5317 2002.12.31	-	-
• (ISO) · (ISO)			• (ISO)		
KS M ISO 8157 2002.12.31	-		KS M ISO 5316 2002.12.31	-	-
• (ISO) · (ISO)			• (ISO)		
KS M ISO 7851 2002.12.31			KS M ISO 5315 2002.12.31	-	-
• (ISO) · (ISO)			• (ISO)		
KS M ISO 7837 2002.12.31	-		KS M ISO 5314 2002.12.31	-	-
• (ISO) · (ISO)			• (ISO)		
KS M ISO 7742 2002.12.31	-		KS M ISO 5313 2002.12.31		
• (ISO) · (ISO)			• (ISO)		
KS M ISO 7553 2002.12.31	-	-	KS M ISO 5311 2002.12.31	-	
• (ISO) · (ISO)			• (ISO)		
KS M ISO 7497 2002.12.31	-				
• (ISO) · (ISO)					


KS M ISO 5310 2002.12.31	-	-	KS M ISO 10349-8 2002.12.31	-
• (ISO)			• (ISO)	
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KS A 0094 2002.12.19

KS A 0095 2002.12.19

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KS A 3513 2002.12.20

KS A 3511 2002.12.20

KS A 0089 2002.12.20

KS A 0064 2002.12.20

KS A 0114 2002.12.20

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KS A 3503 2002.12.31

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KS M 3916 2002.12.31 X

KS M 3908 2002.12.31 120

KS M 3907 2002.12.31 135

KS M 3906 2002.12.31

KS M 3905 2002.12.31

KS M 3912 2002.12.31 가





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가				2 :		
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(Z-) 가				• IDT •	-	-NC
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(Z-) 가				KS B ISO 70 2002. 12. 31 35mm	35mm	-
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• IDT •	2 :			KS B ISO 9642 2002. 12. 31	24.25	30
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KS B 3503 2002. 12. 7
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KS B 3969 2002. 12. 14
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KS B 3006 2002. 12. 14
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KS B 4219 2002. 12. 31
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KS B 4012 2002. 12. 31
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KS B 4013 2002. 12. 31
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KS B 4039 2002. 12. 31 4
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KS B 4042 2002. 12. 31 -
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KS B 4151 2002. 12. 31			KS R ISO 7651 2002. 12. 27	- 1, 2 3
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KS B 4153 2002. 12. 31			• ICS	: 43.060.50
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KS B 4165 2002. 12. 31			-	
• MOD •			• ISO 7591	• (
KS B 6210 2002. 12. 31		가)	• ICS : 43.040.20
• MOD •		가	KS R ISO 6415 2002. 12. 27	-
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			• ISO 6415	• /
			가	• ICS : 43.060.30
- ()	-		KS R ISO 6118 2002. 12. 27	-
KS R ISO 7967-9 2002. 12. 04	-		(70)	
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• ISO 7967-9	•		• ICS	: 43.040.40; 83.140.50
• ICS	: 27.020; 01.040.27			

-				• ICS : 91.140.90
가	(accessible goods only lifts), (passenger conveyors)			KS R ISO 3984 2002. 12. 31 - -
• ICS	: 91.140.90			• ISO 3984
KS B EN 12015 2002. 12. 31				• ICS : 43.100
• ICS	: 33.100/91.140			KS R ISO 3842 2002. 12. 31 - 5 -
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KS B EN 50214 2002. 12. 31				KS R ISO 3584 2002. 12. 31 - -
300/500 V PVC PVC		U0 /U		• ISO 3584 ()
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• ICS	: 77.140			• ISO 3560
				• ICS : 43.020
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• ICS	: 13.110			• ICS : 43.020
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• ICS	: 13.110			• ICS : 43.020
KS B EN 81-1 2002. 12. 31				KS R 1161 2002. 12. 31
가 15 가				• ICS : 43.020
가				KS R 1162 2002. 12. 31
				• ICS : 43.020

KS R 1163 2002. 12. 31

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KS R 1164 2002. 12. 31

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• ICS : 43.020

KS R 1165 2002. 12. 31

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• ICS : 43.020

KS R ISO 6119 2002. 12. 31

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• ISO 6119 •

• ICS : 43.040.40; 83.140.50

KS R ISO 6315 2002. 12. 31

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• ISO 6315 •

• ICS : 43.040.40

KS R 1158 2002. 12. 31

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• ICS : 43.020

KS R 1152 2002. 12. 31

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KS R 1153 2002. 12. 31

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KS R 1155 2002. 12. 31

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KS R 1156 2002. 12. 31

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KS R 1157 2002. 12. 31

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KS R 1147 2002. 12. 31

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• ICS : 43.020

KS R 1149 2002. 12. 31

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• ICS : 43.020

KS R 1150 2002. 12. 31

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• ICS : 43.020

KS R 1151 2002. 12. 31 가

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				2 6 , 1100MPa()/425 , 1100MPa()/0 , 1210MPa()/425 , 1210MPa()/730 , 1550MPa()/235 , 1550MPa()/425	1550MPa()/600
KS W ISO 10201 2002. 12. 27.	-			• -MJ	2 6 , 1100MPa()/425 , 1100MPa()/650 , 1210MPa()/425 , 1210MPa()/730 , 1550MPa()/235 , 1550MPa()/425
KS W ISO 8399-2 2002. 12. 27.	-			1550MPa()/600	-
()2	-			KS B 8137 2002. 12. 27. 가	
•				• 가	
KS W ISO 3161 2002. 12. 27.	-UNJ	-		KS A ISO 10368 2002 . 12 . 30	-
• UNJ				•	-
KS W ISO 5884 2002. 12. 27.	-			KS A ISO 3874 2002 . 12 . 30	
•				•	
KS W ISO 7689 2002. 12. 27.	-		1100Pa	KS A ISO 9897 2002 . 12 . 30	-
MJ	-			•	-
• - 1100Pa MJ	-			KS A ISO 1496-4 2002 . 12 . 30	-
KS W ISO 7913 2002. 12. 27.	-			4 : 가	
•				• - - 4 : 가	
KS W ISO 7961 2002. 12. 27.	-			KS A ISO 1496-3 2002 . 12 . 30	-
•				3 : ,가 가	
KS W ISO 7137 2002. 12. 27.	-			• - - 3 : ,가 가	
•				KS A ISO 1496-2 2002 . 12 . 30	-
KS W ISO 1023 2002. 12. 27.	-			2 :	
•				• - - 2 :	
KS W ISO 1023 2002. 12. 27.	-			KS A ISO 830 2002 . 12 . 30	-
•				•	-

KS A ISO 668 2002 . 12 . 30	,	KS B ISO 13349 2002. 12. 31	-
•		•	-
KS B ISO 3857-3 2002. 12. 31	,	KS B ISO 13351 2002. 12. 31	-
:	- -	•	-
•	- -3 :	KS A 2216 2002. 12. 31	
KS B ISO 5390 2002. 12. 31	-	[]
•	-	•	[
KS B ISO 13261-2 2002. 12. 31		KS A 2215 2002. 12. 31	[
- 2 :		•	[
•	- 2 :	KS A 2214 2002. 12. 31	
		•	
KS B ISO 13261-1 2002. 12. 31		KS A 2213 2002. 12. 31	-
- 1 :		•	-
•	- 1 :		
KS B ISO 13253 2002. 12. 31	-	KS R 8038 2002 . 12 . 05	
가		•	(mopeds)
•	- 가		(durability)
KS B ISO 5151 2002. 12. 31	-	KS R ISO 3468 2002 . 12 . 05	-
가		•	(ISO 3833:1977 3.1.1)
•	- 가		
KS B ISO 13256-1 2002. 12. 31	-	KS R ISO 10597 2002 . 12 . 05	-
1 : -	-	•	-
•	- 가- 1 : -	•	18mm, 20mm 22mm
KS B ISO 4064-2 2002. 12. 31	-	KS R ISO 7575 2002 . 12 . 05	-
- 2 :		•	18mm, 20mm 22mm
•	- - 2 :		
KS B ISO 6580 2002. 12. 31	-	KS R ISO 7141 2002 . 12 . 05	-
•	-	•	-
			가

KS R ISO 4107 2002 . 12 . 05 · 6, 8, 10	-		KS R ISO 15500-5 2002 . 12 . 05 - 5 :	-	가
			· 가		
KS R ISO 3911 2002 . 12 . 05	-	,	KS R ISO 15500-4 2002 . 12 . 05 - 4 :	-	가
·		,	· 가		
KS R ISO 3894 2002 . 12 . 05	,	-	KS R ISO 15500-3 2002 . 12 . 05 - 3 :	-	가
·			· 가		
가 가			KS R ISO 15500-2 2002 . 12 . 05 - 2 :	-	가
KS R ISO 3006 2002 . 12 . 05 · ISO 3833	-		· 가		
	가	가	KS R ISO 15501-2 2002 . 12 . 05 (CNG) - 2 :	-	가
			· ISO 15501-1		
KS R ISO 15500-10 2002 . 12 . 05 - 10 :가	-	가	KS R ISO 15500-1 2002 . 12 . 05 - 1 :	-	가
· 가		가	· 가		
KS R ISO 15500-9 2002 . 12 . 05 - 9 :	-	가	KS R ISO 9619 2002 . 12 . 17 -	-	
· 가			· (ISO 3833:1977 3.1.1)		
KS R ISO 15500-8 2002 . 12 . 05 - 8 :	-	가	KS R ISO 7397-2 2002 . 12 . 17 - 2 :	-	
· 가			· (ISO 3833)가 180° EEC 77/649 88/366		
KS R ISO 15500-6 2002 . 12 . 05 - 6 :	-	가	KS R ISO 7397-1 2002 . 12 . 17 - 1 :	-	
· 가			· ISO 4130 3		
			KS R ISO 6255 2002 . 12 . 17	-	

					KS B ISO 8421-1 2002 . 12 . 30	-	1
•	(ISO 3833)						
KS R ISO 5898 2002 . 12 . 28		-			KS B 6259 2002 . 12 . 30		
•	(ISO 3833)						47†
KS R ISO 5897 2002 . 12 . 28		-					
•	(ISO 3833)						
KS R ISO 5740 2002 . 12 . 28		-	-		KS R ISO 7129 2002. 12. 31	-	,
•					• ISO 7129		,
							,
					• ICS : 53.100		
KS R ISO 3470 2002 . 12 . 28		-			KS R ISO 3287 2002. 12. 31	-	
•	(ISO 3833:1977 3.1.1)				• ISO 3287		
							• ICS : 53.060; 01.080.20
KS R ISO 3469 2002 . 12 . 28		-			KS R ISO 6549 2002. 12. 31	-	H R
•	(ISO 3833:1977 3.1.1)				• ISO 6549		
							H
					3 H		• ICS : 43.020
KS B ISO 8421-7 2002 . 12 . 30		-	7		KS R ISO 3409 2002. 12. 31	-	가
•					• ISO 3409		가
KS B ISO 8421-6 2002 . 12 . 30		-	6		• ICS : 43.040.30		
•							
KS B ISO 8421-5 2002 . 12 . 30		-	5		KS R ISO 2416 2002. 12. 31		
•					• ISO 2416		
							• ICS : 43.100
KS B ISO 8421-2 2002 . 12 . 30		-	2		KS W 0638 2002. 12. 27	-	, - 3 :
•							

• - , - 3 : ,
 ,

KS B 8115 2002. 12. 27 가
• 가

KS W 0211 2002. 12. 27
•

KS B 8114 2002. 12. 27 가
• 가

KS W 1525 2002. 12. 27
•

KS B 8109 2002. 12. 27 가
• 가

KS B 8136 2002. 12. 27
•

KS B 8104 2002. 12. 27 가
• 가

KS B 8135 2002. 12. 27 가
• 가

KS B 8103 2002. 12. 27 가
• 가

KS B 8131 2002. 12. 27 가
• 가

KS B 8102 2002. 12. 27 가
• 가

KS B 8130 2002. 12. 27 가
• 가

KS B 8101 2002. 12. 27 가
• 가

KS B 8129 2002. 12. 27 가
• 가

KS A 1533 2002. 12. 31
•

KS B 8128 2002. 12. 27 가
• 가

KS A 1006 2002. 12. 31
•

KS B 8127 2002. 12. 27 가
• 가



KS B 8124 2002. 12. 27 가
• 가

- () -

KS R9107 2002 . 12 . 31

KS B 8122 2002. 12. 27 가
• 가

• 5.lkg/cm2 , ,

KS B 8117 2002. 12. 27 가
• 가

KS R9105 2002 . 12 . 31

KS B 8116 2002. 12. 27 가
• 가

KS R9104 2002 . 12 . 31

				• ICS codes 37.020		
				KS B ISO 10110-3 2002. 12. 5	-	-
- ()	-			-		
KS B ISO 10109-6 2002. 12. 5	-	-		• : IDT •		
• : IDT •				• ICS codes 37.020		
• ICS codes 37.020				KS B ISO 10110-4 2002. 12. 5	-	-
KS B ISO 10109-8 2002. 12. 5	-	-		-		
• : IDT •				• : IDT •		
가 • ICS codes 37.020				• ICS codes 37.020		
KS B ISO 10110-1 2002. 12. 5	-	-		KS B ISO 10110-6 2002. 12. 5	-	-
• : IDT •				• : IDT •		
• ICS codes 37.020				• ICS codes 37.020		
KS B ISO 10110-10 2002. 12. 5	-	-		KS B ISO 10110-7 2002. 12. 5	-	-
:				• : IDT •		
• : IDT •				(, , ,)		
• ICS codes 37.020				• ICS codes 37.020		
KS B ISO 10110-11 2002. 12. 5	-	-		KS B ISO 10110-8 2002. 12. 5	-	-
: 가				• : IDT •		
• : IDT •				codes 37.020		• ICS
가				KS B ISO 10110-9 2002. 12. 5	-	-
• ICS codes 37.020				• : IDT •		
KS B ISO 10110-12 2002. 12. 5	-	-		• ICS codes 37.020		
:				KS B ISO 8322-8 2002. 12. 5	-	-
• : IDT •				- 8 :150m		
• ICS codes 37.020						
KS B ISO 10110-2 2002. 12. 5	-	-				
-						
• : IDT •						

• : IDT • (EDM)	150m	• ICS codes 17.040.30	• : IDT • 가 가	가
T			가	
KS B ISO 9022-10 2002. 12. 5	-		• ICS codes 37.020	
10 :				
• : IDT •		• ICS codes	KS B ISO 9022-17 2002. 12. 5	-
37.020			17 : ,	
			• : IDT •	가
			가	가
KS B ISO 9022-11 2002. 12. 5	-		• ICS codes 37.020	
11 :				
• : IDT •				
• ICS codes 37.020			KS B ISO 9022-18 2002. 12. 5	-
			18 : 가	
			• : IDT •	가
KS B ISO 9022-12 2002. 12. 5	-		가	가
12 :				
• : IDT •			• ICS codes	
• ICS codes 37.020				
			KS B ISO 9022-19 2002. 12. 5	-
KS B ISO 9022-13 2002. 12. 5	-		19 :	
13 : , ,			• : IDT •	
• : IDT • , ,		• ICS		
codes 37.020			• ICS codes 37.020	
			KS B ISO 9022-20 2002. 12. 5	-
KS B ISO 9022-14 2002. 12. 5	-		20 :	
14 :			• : IDT •	
• : IDT •			가 (SO2) (H2S)	
• ICS codes 37.020			• ICS codes 37.020	
KS B ISO 9022-15 2002. 12. 5	-		KS B ISO 9022-21 2002. 12. 5	-
15 :			21 : 가	
• : IDT •			• : IDT •	
• ICS codes 37.020			가 가	가
			• ICS codes 37.020	
KS B ISO 9022-16 2002. 12. 5	-		KS B ISO 9022-5 2002. 12. 5	-
16 : 가 가				-

<p>: • : IDT • • ICS codes 37.020</p>			<p>KS B ISO 9177-2 2002. 12. 9 - 2 : - • : IDT • • ICS codes 01.100.40</p>
<p>KS B ISO 9022-6 2002. 12. 5 - - : • : IDT • • ICS codes 37.020</p>			<p>KS B ISO 9177-3 2002. 12. 9 - 3 : -HB • : IDT • HB • ICS codes 01.100.40</p>
<p>KS B ISO 9022-7 2002. 12. 5 - - : , • : IDT • • ICS codes 37.020</p>			<p>KS B ISO 9961 2002. 12. 9 - • : IDT • , 가 • ICS codes 01.100.40</p>
<p>KS B ISO 9022-8 2002. 12. 5 - - : , , • : IDT • , , 가 • ICS codes 37.020</p>			<p>KS B ISO 12308 2002. 12. 14 - - , • : IDT • • ICS codes 21.100.10</p>
<p>KS B ISO 9022-9 2002. 12. 5 - - : • : IDT • • ICS codes 37.020</p>			<p>KS B ISO 13778 2002. 12. 14 - - • : IDT • , • ICS codes 21.100.10</p>
<p>KS B ISO 9211-1 2002. 12. 5 - - 1 : • : IDT • () 가 , , • ICS codes 37.020</p>			<p>KS B ISO 12132 2002. 12. 14 - -FMEA • : IDT • FMEA • ICS codes 21.100.10</p>
<p>KS B ISO 9176 2002. 12. 9 - • : IDT • • ICS codes 01.100.40</p>			<p>KS B ISO 12301 2002. 12. 14 - • : IDT • • ICS codes 21.100.10</p>
<p>KS B ISO 9177-1 2002. 12. 9 - 1 : , , • : IDT • , , , • ICS codes 01.100.40</p>			<p>KS B ISO 12302 2002. 12. 14 - - • : IDT • • ICS codes 21.100.10</p>

KS B ISO 12303 2002. 12. 14	-	-	KS P ISO 10555-3 2002. 12. 17	3
• : IDT •			• : IDT •	
• ICS codes 21.100.10			• ICS codes 11.040.20	
KS B ISO 12306 2002. 12. 14	-		KS P ISO 10555-4 2002. 12. 17	4
• : IDT •			• : IDT •	
• ICS codes 21.100.10			• ICS codes 11.040.20	
KS B ISO 12307-1 2002. 12. 14	-	- 1	KS P ISO 10555-5 2002. 12. 17	5
• : IDT •			• : IDT •	
• ICS codes 21.100.10			• ICS codes 11.040.20	
KS B ISO 12307-2 2002. 12. 14	-		KS P ISO 10651-1 2002. 12. 17	1 :
2 :			• : IDT •	
• : IDT •			• ICS codes 11.040	
• ICS codes 21.100.10				
KS P ISO 10342 2002. 12. 17			KS P ISO 10939 2002. 12. 17	
• : IDT •			• : IDT •	
• ICS codes 11.040.70			• ICS codes 11.040.70	
KS P ISO 10343 2002. 12. 17			KS P ISO 11334-4 2002. 12. 17	
• : IDT •			• : IDT •	
• ICS codes 11.040.70			• ICS codes 11.080.10	
KS P ISO 10555-1 2002. 12. 17		1	KS P ISO 12865 2002. 12. 17	
• : IDT •			• : IDT •	
• ICS codes 11.040.20			• ICS codes 11.040.70	
KS P ISO 10555-2 2002. 12. 17		2	KS P ISO 12866 2002. 12. 17	
• : IDT •			• : IDT •	
• ICS codes 11.040.20			가	
			• ICS codes 11.040.70	

KS P ISO 5362 2002. 12. 17

• ICS codes 11.080

• : , , , ,

• ICS codes 11.040

KS P ISO 8669-2 2002. 12. 17 2 :

• : IDT • , , ,

KS P ISO 7176-1 2002. 12. 17 1 :

• : IDT •

• ICS codes 11.080.10

• ICS codes 11.080

KS P ISO 8670-1 2002. 12. 17 1 :

• : IDT •

• ICS codes 11.040

KS P ISO 7176-2 2002. 12. 17 2 :

• : IDT •

ICS codes 11.080.10

KS P ISO 8670-2 2002. 12. 17 2 :

• : IDT • , ,

• ICS codes 11.040

KS P ISO 7176-3 2002. 12. 17 3 :

• : IDT • (,)

• ICS codes 11.080.10

KS P ISO 7176-5 2002. 12. 17 5 : , ,

• : IDT •

• ICS codes 11.080.10

KS P ISO 8670-3 2002. 12. 17 3 :

• : IDT •

• ICS codes 11.040

KS P ISO 7176-6 2002.12. 17 6 :

, 가

• : IDT • , 가

• ICS codes 11.080.10

KS P ISO 9919 2002. 12. 17

• : IDT •

• ICS codes 11.040

KS P ISO 7176-8 2002. 12. 17 8 : ,

• : IDT • (100kg)

• ICS codes 11.080.10

KS B ISO 14539 2002. 12. 17 - -

• : IDT •

• ICS codes

25.040.30

KS P ISO 8612 2002. 12. 17

• : IDT •

• ICS codes 11.040.70

KS B ISO 15187 2002. 12. 17 -

(GUI-R)

• : IDT •

• ICS codes 25.040.30

KS P ISO 8669-1 2002. 12. 17 1 :

• : IDT •

KS B ISO TR 11032 2002. 12. 17 - -

• : IDT •

ek

• ICS codes 25.040.30		• ICS codes 23.100.60	
KS B ISO TR 13309 2002. 12. 17	- ISO 9283	KS B ISO 4392-3 2002. 12. 17	-
가			
• : IDT • ISO 9283	가	• : IDT •	• ICS codes 23.100.10
• ICS codes 25.040.30			
KS B ISO 3019-1 2002. 12. 17	-	KS B ISO 4397 2002. 12. 17	-
-	- 1 :	-	
• : IDT •		• : IDT •	• ICS
, 30°		, codes 23.100.40	
, • ICS codes 23.100.10			
KS B ISO 3019-2 2002. 12. 17	-	KS B ISO 8434-1 2002. 12. 17	
-	- 2 2 4	- 1 24°	
• : IDT •		• : IDT • 4mm 42mm	
		24°	• ICS codes 23.100.40
• ICS codes 23.100.10			
KS B ISO 3019-3 2002. 12. 17	-	KS B ISO 8434-2 2002. 12. 17	
-	- 3 :	- 2 37°	
()		• : IDT • 6mm 50mm	• ICS codes 23.100.40
• : IDT •		37°	
• ICS codes 23.100.10			
KS B ISO 3722 2002. 12. 17	-	KS B ISO 8434-3 2002. 12. 17	
• : IDT • , ,		- 3 0	
ICS cdes 23.100.99		• : IDT • 6mm	6mm
		38mm O-	
		• ICS codes 23.100.40	
KS B ISO 3723 2002. 12. 17	-	KS B ISO 8434-4 2002. 12. 17	
• : IDT • 가		- 4 : O 24°	
가	가	• : IDT • 6mm 42mm	
		O 24°	• ICS codes 23.100.40
KS B ISO 3723 2002. 12. 17	-	KS B ISO 8434-5 2002. 12. 17	
• : IDT • 가		- 5 :	
가	가	• : IDT •	• ICS codes 23.100.40
		가	

• : IDT •				KS B ISO 10303-32 2002. 12. 28	-
				- 32 STEP	
• ICS codes 23.100.60					
KS B ISO 6194-4 2002. 12. 20	- 4 :			• ICS codes 25.040.40	
• : IDT •				KS B ISO 10303-49 2002. 12. 28	-
• ICS codes 23.100.60				- 49 :	
KS B ISO 6194-5 2002. 12. 20	- 5 가			• ICS codes 25.040.40	
• : IDT •		가		KS B ISO 10303-501 2002. 12. 28	-
• ICS codes 23.100.60				- 501 :	
KS B ISO 10303-207 2002. 12. 28	- 207 :			• ICS codes 25.040.40	
• : IDT •				KS B ISO 10303-502 2002. 12. 28	-
• ICS codes 25.040.40				- 502 :	
KS B ISO 10303-224 2002. 12. 28	- 224 :	가		• ICS codes 25.040.40	
• : IDT •		가		KS B ISO 10303-503 2002. 12. 28	-
• ICS codes 25.040.40				- 503 :	2D
KS B ISO 10303-225 2002. 12. 28	- 225 :			• ICS codes 25.040.40	
• : IDT •				KS B ISO 10303-504 2002. 12. 28	-
3				- 504 :	
• ICS codes 25.040.40				• ICS codes 25.040.40	
KS B ISO 10303-23 2002. 12. 28	- 23 :			KS B ISO 10303-505 2002. 12. 28	-
C++				- 505 :	
• : IDT •				• ICS codes 25.040.40	
C++			• ICS codes		
25.040.40					

KS B ISO 10303-506 2002. 12. 28	-	KS P ISO 11040-2 2002. 12. 28	- 2 :
- 506 :	:		
• : IDT •		• : IDT •	
• ICS codes 25.040.40		• ICS codes 11.040.10	
KS B ISO 10303-512 2002. 12. 28	-	KS P ISO 11040-3 2002. 12. 28	- 3 :
- 512 :	:		
• : IDT •		• : IDT •	
3	• ICS codes 25.040.40	가	
KS B ISO 10303-513 2002. 12. 28	-		• ICS codes 11.040.10
- 513 :	:		
• : IDT •		KS P ISO 13397-1 2002. 12. 28	,
• ICS codes 25.040.40		- 1 :	
KS B ISO 10303-514 2002. 12. 28	-	• : IDT •	• ICS codes
- 514 :	:	11.060.20	
• : IDT •		KS P ISO 13397-4 2002. 12. 28	,
• ICS codes 25.040.40		- 4 :	-
KS B ISO 10303-515 2002. 12. 28	-	• : IDT •	
- 515 :	:	• ICS codes 11.060.20	
• : IDT •		KS P ISO 1797-2 2002. 12. 28	- - 2 :
• ICS codes 25.040.40		• : IDT •	
KS B ISO 10303-519 2002. 12. 28	-		• ICS codes
- 519 :	:	11.060.20	
• : IDT •		KS P ISO 9997 2002. 12. 28	
• ICS codes 25.040.40		• : IDT •	
KS B ISO 13584-20 2002. 12. 28	-	가 , -	• ICS codes 11.060.20
- 20 :	-		
• : IDT •	-		
• ICS codes 25.040.40		KS B ISO 128-34 2002. 12. 31	- - 34 -
KS P ISO 11040-1 2002. 12. 28	- 1 :	• : IDT •	
• : IDT •		• ICS codes 01.100.20	
codes 11.040.10	• ICS	KS B ISO 128-44 2002. 12. 31	- - 44 -

• : IDT •		• : IDT •	
		• ICS codes 77.040.10	
KS B ISO 128-30 2002. 12. 31	- 30 -	KS B ISO 8490 2002. 12. 31	- -
• : IDT •	(, ,)	• : IDT •	가 0.2mm-2mm 90mm
		• ICS codes 77.040.10	
KS B ISO 9958-1 2002. 12. 31	- 1	KS B ISO 9513 2002. 12. 31	-
• : IDT •	, , 가	• : IDT •	
	2	• ICS codes 77.040.10	
• ICS codes 01.100.40		KS B ISO 2720 2002. 12. 31	-
KS B ISO 9958-2 2002. 12. 31	- 2	()-	
• : IDT •		• : IDT •	
, 가 가			• ICS codes 37.040.10
2		KS B ISO 517 2002. 12. 31	- -
, • ICS codes 01.100.40		• : IDT •	
KS B ISO 3274 2002. 12. 31	(GPS)-	• ICS codes 37.040.10	
- ()		KS B ISO 519 2002. 12. 31	- -
• : IDT •	가	• : IDT •	
() ()		ICS codes 37.040.10	
• ICS codes 17.040.30		KS B ISO 9767 2002. 12. 31	- -
KS B ISO 1938 2002. 12. 31	KS - 2 :	• : IDT •	ISO 7943-1
가		, , ,	
• : IDT •		()	
KS B ISO 3530 2002. 12. 31	-	• ICS codes 37.040.10	
• : IDT •			
• ICS codes 23.160		()	
KS B ISO 376 2002. 12. 31	-	KS B 0125 2002. 12. 31	
		• : MOD •	, ,



[]

KS C IEC 61602 2002.12.30 ,

• ,



KS C IEC 61606 2002.12.30 -

-

- ()

KS C IEC 60849 2002.12.30

•

KS C IEC 60958-1 2002.12.30

- 1

KS C IEC 61146-3 2002.12.30

(PAL/SECAM/NT

• PCM

가

- - 3 :

•

가

KS C IEC 61146-4 2002.12.30

(PAL/SECAM/NT

KS C IEC 60958-2 2002.12.30

- 2

- - 4 :

•

가

KS C IEC 61305-1 2002.12.30 가

KS C IEC 60958-3 2002.12.30

- 3

- - 1 :

•가

(self-clocking)

(interface)

KS C IEC 61305-2 2002.12.30 가

- - 2 : FM

•

가



KS C IEC 61305-3 2002.12.30 가

- ()

KS X ISO IEC13240 2002. 12. 9

-

- - 3 :

•

가

가

(ISMID)

(ISMID)

KS C IEC 61320 2002.12.30 ,

•

ISO/IEC

10744:1997, International Standard , Information technology --
Hypermedia/Time-based Structuring Language(HyTime)

, ISO 8879, International Standard -- Stand Generalized
Markup Language SGML .

KS X ISO IEC14443-3 2002. 12. 23 ID - IC

- 3 :

- :
- PCD PICC ;
- , PCD PICC
- ;
- ATR(Answer To Request) ;
- PICC PICC () ;
- PICC PCD
- PICC PICC

KS X ISO IEC14443-4 2002. 12. 23 ID - IC

- 4 :

- (half-duplex)
- ISO/IEC 14443 Type A Type B

KS X ISO IEC15457-1 2002. 12. 23 ID -

- 1 :

- , 가 ,
- (Magnetic Strip), (Optical Character Recognition), 가
- 가 / 가가 .
- 가
- 1.
- 2.
- 가 가
- 가

KS X ISO IEC15457-2 2002. 12. 23 ID -

- 2 :

- , 가 ,
- (Magnetic

stripe), OCR(Optical Character Recognition),
가 / 가가 .
가

- 1.
- 2.

- ()
- KS X ISO/IEC 15457-1 .

KS X ISO IEC15693-3 2002. 12. 23 ID - IC

- 3 :

- :
- VICC VCD
- (“ ”),
- ,

KS X ISO IEC20060 2002. 12. 23 -

(OTA) - 가

- Europay OTA(Open Terminal Architecture)
- EMV
- POS C
- 가
- 가 가 OTA
- OTA
- 가 (VM) (3) - VM (4)
- VM (5)
- OTA (6)

KS X ISO IEC10373-3 2002. 12. 23 ID - - 3

IC

- KS X 6507(ISO/IEC 7816)
- IC
- KS X 6503(ISO/IEC 7810) ID

KS X ISO IEC 13335-5 2002. 12. 31

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KS X 1507 1.2002. 12. 9

KS X ISO IEC 14492 2002. 12. 31

KS X 1514 2002. 12. 9

• ISO/IEC 6093

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KS X 1517- 5 2002. 12. 9

5 :

KS X ISO IEC 15444-4 2002. 12. 31

- JPEG 2000

• ISO/IEC 11179-5

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• KS X ISO/IEC 15444-1

KS X 1517- 6 2002. 12. 9

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- JPEG 2000 1

• ISO/IEC 11179-6

KS X ISO IEC 15444-5 2002. 12. 31

- JPEG 2000

KS X 1519- 1 2002. 12. 9

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• KSX ISO/IEC 15444-1

• ISO/IEC 6523-1

JPEP2000

KS X 1519- 2 2002. 12. 9

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- JPEG2000

• ISO/IEC 6523-2

- JPEG2000

JPEG2000

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KS X 1520 2002. 12. 9

KS X ISO IEC 15938-3 2002. 12. 31



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• 3 (Model)

• ISO/IEC 9789

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KS X 2024 2002. 12. 9

• ISO/IEC 10027				• KS X 6706	
KS X ISO 12083 2002. 12. 20	-				
• KS X 6016				KS X 6712 2002. 12. 20	
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KS X ISO IEC 10179 2002. 12. 20	-	-		KS X 6713 2002. 12. 20 CALS	(AITI)
(DSSSL)				•	
• KS X 6020				KS X 6714 2002. 12. 20	(CTIIS)
KS X ISO IEC 10744 2002. 12. 20	-	/		•	
(HyTime)					
• KS X 6019				KS X 6715 2002. 12. 20	-
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KS X ISO IECTR 9544 2002. 12. 20	-				
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• KS X 6018	-			- () -	
KS X ISO IECTR 9573 2002. 12. 20	-	SGML		KS X 2017 2002. 12. 9	SQL
- SGML				•	
• KS X 6017 SGML				KS X 2018 2002. 12. 9	(HSQL)
				•	
KS X 6021 2002. 12. 20		(IETM) :		KS X 6701 2002. 12. 9 POS	OCR
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KS X 6022 2002. 12. 20				KS X 6702 2002. 12. 9 POS	
(IETMDB)				•	
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KS X 6023 2002. 12. 20		(IETM) :			
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KS X ISO 9735 2002. 12. 20	,	,		KS C IEC 60512-1-1 2002. 12. 31	-
(EDIFACT) -					

- 1-1 :	- 1a :				
• IEC 60512-1-1	IDT • 31.220.01			KS C IEC 60512-4 2002. 12. 31	-
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KS C IEC 60512-1-100 2002. 12. 31		-		• IEC 60512-4	IDT • 31.220.01
- 1-100 :	-			KS C IEC 60512-4-2 2002. 12. 31	-
• IEC 60512-1-100	IDT • 31.220.01			- 4-2 :	- 4b :
KS C IEC 60512-1-2 2002. 12. 31		-		• IEC 60512-4-2	IDT • 31.220.01
- 1-2 :	- 1b :			KS C IEC 60512-4-3 2002. 12. 31	-
• IEC 60512-1-2	IDT • 31.220.01			- 4-2 :	- 4c- (先)
KS C IEC 60512-1-3 2002. 12. 31		-		• IEC 60512-4-5	IDT • 31.220.01
- 1-3 :	- 1c :			KS C IEC 60512-6-3 2002. 12. 31	-
• IEC 60512-1-3	IDT • 31.220.01			- 6-3 :	- 6c :
KS C IEC 60512-1-4 2002. 12. 31		-		• IEC 60512-6-3	IDT • 31.220.01
- 1-4 :	- 1d :			KS C IEC 60512-6-5 2002. 12. 31	-
• IEC 60512-1-4	IDT • 31.220.01			- 6-5 :	- 6e :
KS C IEC 60512-2-1 2002. 12. 31		-		• IEC 60512-6-5	IDT • 31.220.01
- 2-1 :		-	2a :		
• IEC 60512-2-1	IDT • 31.220.01			KS C IEC 60512-10-4 2002. 12. 31	-
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- 2-3 :		-	2c :	, - 10d:	()
• IEC 60512-2-3	IDT • 31.220.01			• IEC 60512-10-4	IDT • 31.220.01
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- 2-3 :		-	2f :	- 11-1 :	- 11a :
• IEC 60512-2-6	IDT • 31.220.01		(• IEC 60512-11-1	IDT • 31.220.01
KS C IEC 60512-3 2002. 12. 31		-		KS C IEC 60512-11-2 2002. 12. 31	-
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KS C IEC 60512-3-1 2002. 12. 31		-		KS C IEC 60601-2-13 2002. 12. 30	
- 3-1 :	- 3a :			• IDT IEC 60601-2-13	가
• IEC 60512-3-1	IDT			• ICS 11.040.10	
• 31.220.01				KS C IEC 60601-2-16 2002. 12. 30	,

• IDT IEC 60601-2-16				
• 가 ,			• IDT IEC 60825-7 •	IEC
가 • ICS 11.040			• ICS 31.260	
KS C IEC 60601-2-30 2002. 12. 30			KS C IEC 60825-8 2002. 12. 30	8 :
• IDT IEC 60601-2-30 •			• IDT IEC 60825-8 •	
• ICS 11.04001			IEC	
KS C IEC 60825-1 2002. 12. 30	1 :		• ICS 31.260	
,			KS C IEC 60825-9 2002. 12. 30	9 :
• IDT IEC 60825-1 •			• IDT IEC 60825-9 •	
IEC			IEC	
• ICS 13.110			• ICS 31.260	
KS C IEC 60825-3 2002. 12. 30	3 :		KS C IEC 60601-2-22 2002. 12. 30	2 :
• IDT IEC 60825-3 •			• IDT IEC 60601-2-22 •	
IEC			IEC	
• ICS 31.260			• ICS 11.040.50	
KS C IEC 60825-4 2002. 12. 30	4 :		KS C IEC 60444-2 2002. 12. 30	2 :
• IDT IEC 60825-4 •				
IEC			• IDT IEC 60444-2 •	가
• ICS 31.260			• ICS 31.140	
KS C IEC 60825-5 2002. 12. 30	5 :		KS C IEC 60642-3 2002. 12. 30	- 3 :
C IEC 60825-1			• IDT IEC 60642-3 •	
• IDT IEC 60825-5 •			• ICS 31.140	
IEC			KS C IEC 60679-5-1 2002. 12. 30	
• ICS 31.260			5-1 : -	
KS C IEC 60825-6 2002. 12. 30	6 :		• IDT IEC 60679-5-1 •	
가			• ICS 31.140	
• IDT IEC 60825-6 •			KS C IEC 61178-2-1 2002. 12. 30	- IEC
IEC			(IECQ) 2 : -	1 :
• ICS 31.260				
KS C IEC 60825-7 2002. 12. 30	7 :			

• IDT IEC 61178-2-1 •				• IDT IEC 60806 • X
• ICS 31.140				• ICS 11.040.50
KS C IEC 61178-3-1 2002. 12. 30		- IEC		KS C IEC 60513 2002. 12. 30
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• IDT IEC 61178-3-1 •				• ICS 11.040.01
• ICS 31.140				
KS C IEC 61240 2002. 12. 30		-		KS C IEC 60432-1 2002. 12. 31
(SMD) -				- - 1 :가
• IDT IEC 61240				• IDT IEC 60432-1 • 200W , 50V
• ICS 31.140				250V
				• ICS 29.140.20
KS C IEC 61261-2-1 2002. 12. 30				KS C IEC 60432-2 2002. 12. 31
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1 : - 가 E				• IDT IEC 60432-2 • 200W , 50V
• IDT IEC 61261-2-1 •		가		250V
• ICS 31.140				• ICS 29.140.20
KS C IEC 60679-4-1 2002. 12. 30				KS C IEC 61195 2002. 12. 31
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• IDT IEC 60679-4-1 •				• IDT IEC 61195 • Fa6, Fa8, G5, G13, R17d 가
• ICS 31.140				• ICS 29.140.30
KS C IEC 61253-2-1 2002. 12. 30		- IEC		KS C IEC 61199 2002. 12. 31
(IECQ) 2 : - 1				-
- 가 E				• IDT IEC 61199 • v2G7, 2GX7, GR8, F10q, GR10q, GX10q, GY10q
• IDT IEC 61253-2-1 •				2G11, G23, GX23, G24, GX32 2G13
• ICS 31.140				• ICS 29.140.30
KS C IEC 60368-4-1 2002. 12. 30				KS C IEC 60081 2002. 12. 31
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• IDT IEC 60368-4-1 •				• IDT IEC 60081 •
• ICS 31.140				• ICS 29.140.30
KS C IEC 60862-3 2002. 12. 30		3 :		KS C IEC 60901 2002. 12. 31
• IDT IEC 60862-3 • SAW				-
• ICS 31.160				• IDT IEC 60901 •
				• ICS 29.140.30
KS C IEC 60806 2002. 12. 30		X		KS C IEC 60155 2002. 12. 31
				• IDT IEC 60155 •
				• ICS 29.140.30

KS C IEC 60921 2002. 12. 31

• IDT IEC 60921

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50Hz 60Hz 1000V

• ICS 29.140.30

KS C IEC 60929 2002. 12. 31

• IDT IEC 60929

• ICS 29.140.30

KS C IEC 60923 2002. 12. 31

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• IDT IEC 60923

• ICS 29.140.30

KS C IEC 61050 2002. 12. 31

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• IDT IEC 61050

1000V

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• ICS 29.140.30

KS C IEC 60598-1 2002. 12. 31

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• IDT IEC 60598-1

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• ICS 29.140.40

KS C IEC 60598-2-1 2002. 12. 31

- 2-1

• IDT IEC 60598-2-1

• ICS 29.140.40

KS C IEC 60598-2-2 2002. 12. 31

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• IDT IEC 60598-2-2

1000V

• ICS 29.140.40

KS C IEC 60968 2002. 12. 31

• IDT IEC 60968

60W

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100V

250V

가 - ()

• ICS 29.140.30

KS C IEC 60969 2002. 12. 31

• IDT IEC 60969

60W

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100V

250V

가 - ()

29.140.30

• ICS

KS C IEC 60400 2002. 12. 31

• IDT IEC 60400

• ICS 29.140.10

KS C IEC 60927 2002. 12. 31

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• IDT IEC 60927

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• ICS 29.140.30

KS C IEC 60747-4-1 2002. 12. 31

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• IEC 60747-4-1 IDT • ICS 31.080.30

KS C IEC 60747-4-2 2002. 12. 31

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• IEC 60747-4-2 IDT • ICS 31.080.30

KS C IEC 60747-11 2002. 12. 31

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• IEC 60747-11 IDT • ICS 31.080.30

• KS C IEC 60748-2-5 - 2-5 :
 - 4000B, 4000UB • 4 KS

KS C 7201 2002. 12. 31

• KS C IEC 60748-3 - 3 :
 • KS C IEC 60748-3-1 - 3-1 :
 - OP • 4 KS

KS C 7503 2002. 12. 31

• 가 ,

KS C 7506 2002. 12. 31

• 가 ,

KS C 7510 2002. 12. 31

• 가 ,

KS C 7513 2002. 12. 31

• 가 ,

KS C 7516 2002. 12. 31

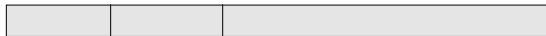
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• 가 ,

KS C 6420 2002. 12. 30

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KS C 6108 2002. 12. 30.

KS C 5529 2002. 12. 30.

KS C 1004 2002. 12. 30.

KS C 6504 2002. 12. 30.

KS C 6109 2002. 12. 31

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KS C 7203 2002. 12. 31

KS C 7504 2002. 12. 31 가

KS C 7505 2002. 12. 31

KS C 7515 2002. 12. 31

KS C 7525 2002. 12. 31

KS C 7617 2002. 12. 31

KS C 7618 2002. 11. 30.

KS C 7710 2002. 12. 31

KS C 8000 2002. 12. 31

KS C 8103 2002. 11. 30. (,)

KS C 8107 2002. 12. 31



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KS C IEC 60704-2-13 2002. 12. 28 가

- 2-13 :

- IEC 60704-2-13
- ICS 17.140.20, 97.030

KS C IEC 60704-2-3 2002. 12. 28 가

- 2 :

- IEC 60704-2-3
- ICS 17.140.20, 97.040.40

KS C IEC 60320-2-3 2002. 12. 31 가

- 2-3 : IPX0

- IEC 60320-2-3
- IPX0
- ICS 29.120.30

KS C IEC 60388-1 2002. 12. 31

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- IEC 60388-1
- ICS 33.020, 29.120.40

KS C IEC 60389-1 2002. 12. 31

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- IEC 60389-1
- ICS 33.020, 29.120.40

KS C IEC 60614-1 2002. 12. 31

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- IEC 60614-1
- ICS 29.120.10

KS C IEC 60620 2002. 12. 31

- IEC 60620
- ICS 31.240

KS C IEC 60799 2002. 12. 31

- IEC 60799
- ICS 29.060.20, 29.120.30

KS C IEC 60998-2-1 2002. 12. 31

- 2-1 :

- IEC 60998-2-1
- ICS 29.120.20

KS C IEC 61020-1 2002. 12. 31

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- IEC 61020-1
- ICS 31.220.20

KS C IEC 61020-2 2002. 12. 31

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- IEC 61020-2
- ICS 31.220.20

KS C IEC 61020-2-1 2002. 12. 31

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- IEC 61020-2-1
- ICS 31.220.20

KS C IEC 61020-2-2 2002. 12. 31

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(17mm, 12 ,)

- IEC 61020-2-2
- ICS 31.220.20

KS C IEC 61020-4-2 2002. 12. 31

4 : () - 2 : ()
(20A AC 277V DC 30V 1·2·4

- IEC 61020-4-2
- ICS 31.220.20

KS C IEC 61020-5 2002. 12. 31

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- IEC 61020-5
- ICS 31.220.20

KS C IEC 61020-6-2 2002. 12. 31

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(250V, 5A)

- IEC 61020-6-2
- ICS 31.220.20

KS C IEC 61316 2002. 12. 31

- IEC 61316
- ICS 29.060, 29.120.99






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KS C 3004 2002. 12. 27

- (MOD)

KS C 3132 2002. 12. 27 600 V EP		KS C 3331 2002. 12. 27 600V	
• (MOD)		• (MOD)	
KS C 3301 2002. 12. 27 600 V		KS C 3332 2002. 12. 27	
• (MOD)		• (MOD)	
KS C 3302 2002. 12. 27 600 V	(IV)	KS C 3340 2002. 12. 27 PVC	
• (MOD)		• (MOD)	
KS C 3303 2002. 12. 27		KS C 3341 2002. 12. 27	
• (MOD)		• (MOD)	
KS C 3304 2002. 12. 27		KS C 3602 2002. 12. 27 600 V	
• (MOD)		• (MOD)	
KS C 3311 2002. 12. 27		KS C 3604 2002. 12. 27	
• (MOD)		• (MOD)	
KS C 3313 2002. 12. 27	(OW)	KS C 3609 2002. 12. 27	
• (MOD)		• (MOD)	
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• (MOD)		• (MOD)	
KS C 3321 2002. 12. 27		KS C 4305 2002. 12. 31	
• (MOD)		• (MOD)	
KS C 3322 2002. 12. 27		KS C 4311 2002. 12. 31	
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KS C 3323 2002. 12. 27 600V	(VV)	KS C 4312 2002. 12. 31	
• (MOD)		• (MOD)	
KS C 3325 2002. 12. 27	(KIV)	KS C 4313 2002. 12. 31 3MVA	
(MOD)		• (MOD)	
KS C 3328 2002. 12. 27 600V 2	(HIV)	KS C 4805 2002. 12. 31	
(MOD)		(MOD)	
KS C 3330 2002. 12. 27			
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KS C 9613 2002. 12. 31 가	(MOD)		
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KS C 9619 2002. 12. 31 가	(MOD)		
•		KSC2601 2002.12. 26	
		KSC2105 2002.12. 26	
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•		KSC4203 2002.12. 31	(3KV) 3
KS C 9000 2002. 12. 30 가	(MOD)	KSC1001 2002.12. 31	
•		KSC4202 2002.12. 31	3
		KSC4204 2002.12. 31	
KS C 9102 2002. 12. 30	(MOD)	KSC4616 2002.12. 30	
•		KSC4526 2002.12. 28	
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•		KSV8863 2002.12. 07	
		KSV8415 2002.12. 07	
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•		KSV8434 2002.12. 07	
		KSV8462 2002.12. 07	
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		KSC8461 2002.12. 31	()
KS C 9615 2002. 12. 30	(MOD)	KSC8401 2002.12. 31	
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KS C 9627 2002. 12. 30	(MOD)	- () -	
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KS C 4516 2002. 12. 30	(MOD)	KS C 3402 2002. 12. 27	
•		KS C 3616 2002. 12. 27	OF
KS C 8302 2002. 12. 31	(MOD)	KS C 4303 2002. 12. 31	6KV
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KS C 3826 2002. 12. 30

KS C 9320 2002. 12. 30 가

KS C 4609 2002. 12. 30

KS C 4615 2002. 12. 29

KS C 4521 2002. 12. 29

ISO/IEC

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TC/SC		
TC 8	ISO/DIS 15837	Ships and marine technology - Gasketed mechanical couplings for use in piping systems - Performance specification
TC 8	ISO/DIS 15838	Ships and marine technology - Fittings for use with gasketed mechanical couplings used in piping applications - Performance specification
TC 8	ISO/DIS 17899	Ships and marine technology - Electric window wipers
TC 17	ISO/DIS 683- 14	Heat-treatable steels, alloy steels and free-cutting steels - Part 14: Hot-rolled steels for quenched and tempered springs (Revision of ISO683- 14:1992)
TC 17	ISO/DIS 16143- 1	Stainless steels for general purposes - Part 1: Flat products
TC 17	ISO/DIS 16143-2	Stainless steels for general purposes - Parts 2: Semi-finished products, bars, rods and sections
TC 17	ISO/DIS 16650	Bead wire
TC 17	ISO/DIS 18286	Hot-rolled stainless steel plates - Tolerances on dimensions and shape
TC 20	ISO/DIS 11373- 1	Aircraft - Hand-or power-activated crimping tools and accessories - Part 1:General requirements
TC 20	ISO/DIS 21351	Space systems - Functional and technical specifications
TC 22	ISO/DIS 12098.2	Road vehicles - Connectors for the electrical connection of towing and towed vehicles - 15-pole connector for vehicles with 24V nominal supply voltage (Revision of ISO12098:1994/Cor 1:2001)
TC 27	ISO/DIS 10086-2	Coal - Methods for evaluating flocculants for use in coal preparation - Part 2:Flocculants as filter aids in rotary vacuum filtration systems

TC/SC		
TC 29	ISO/DIS 5742	Pliers and nippers - Nomenclature (Revision of ISO5742:1982, ISO 5742:ISO 5742:1982/Add 1:1985)
TC 29	ISO/DIS 5743	Pliers and nippers - General technical requirements (Revision of ISO5743:1988)
TC 29	ISO/DIS 5744	Pliers and nippers - Methods of test (Revision of ISO 5744:1988)
TC 29	ISO/DIS 5745	Pliers and nippers - Pliers for gripping and manipulating - Dimensions and test values (Revision of ISO 5745:1988)
TC 29	ISO/DIS 5746	Pliers and nippers - Engineer's and lineman's pliers - Dimensions and test values (Revision of ISO 5746:1988)
TC 29	ISO/DIS 5748	Pliers and nippers - End cutting nippers - Dimensions and test values (Revision of ISO 5748:1988)
TC 29	ISO/DIS 5749	Pliers and nippers - Diagonal cutting nippers - Dimensions and test values (Revision of ISO 5749:1988)
TC 29	ISO/DIS 6105-1	Blanks for super abrasive cutting-off wheels - Part 1:Manually guided cutting-off in building and civil engineering (Revision of ISO6105:1988)
TC 29	ISO/DIS 6105-2	Blanks for super abrasive cutting-off wheels - Part 2:Hand-held cutting-off in building and civil engineering (Revision of ISO6105:1988)
TC 29	ISO/DIS 8976	Pliers and nippers - Multiple slip joint pliers - Dimension and test values (Revision of ISO8976:1988)
TC 29	ISO/DIS 8979	Pliers and nippers for electronics - Nomenclature (Revision of ISO8979:1988)
TC 29	ISO/DIS 9343	Pliers and nippers - Slip joint pliers - Dimensions and test values (Revision of ISO9343:1988)

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TC 29	ISO/DIS 9654	Pliers and nippers for electronics - Single-purpose nippers - Cutting nippers (Revision of ISO9654:1989)
TC 29	ISO/DIS 9655	Pliers and nippers for electronics - Single-purpose pliers - Pliers for gripping and manipulating (Revision of ISO 9655:1989)
TC 29	ISO/DIS 9656	Pliers and nippers for electronics - Test methods (Revision of ISO9656:1989)
TC 29	ISO/DIS 9657	Pliers and nippers for electronics - General technical requirements (Revision of ISO9657:1989)
TC 29	ISO/DIS 11900-3	Tools for pressing - Ball-lock punch retainers - Part 3: Type E, reduced for heavy duty
TC 29	ISO/DIS 21537-1	Clamping flanges for superabrasive cutting-off wheels - Part 1: Natural stone
TC 29	ISO/DIS 21537-2	Clamping flanges for superabrasive cutting-off wheels - Part 2: Building and construction
TC 29	ISO/DIS 21538-1	Metal blanks and cutting-off wheels with diamond or cubic boron nitride - Mounting and fixing bores for metal blanks - Part 1: Building construction and civil engineering
TC 33	ISO/DIS 12680-1	Methods of test for refractory products - Part 1: Determination of dynamic Young's modulus (MOE) by impulse excitation of vibration
TC 33	ISO/DIS 20182	Refractory test piece preparation - Gunning refractories by the pneumatic-nozzle mixing type guns
TC 34	ISO/DIS 21187	Milk - Quantitative determination of bacteriological quality - Guidance for establishing a conversion relationship between routine method results and anchor method results and its verification
TC 34	ISO/DIS 21569	Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Qualitative nucleic acid based methods
TC 34	ISO/DIS 21571	Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Nucleic acid extraction

TC/SC		
TC 34	ISO/DIS 24276	Foodstuffs - Nucleic acid based methods of analysis for the detection of genetically modified organisms and derived products - General requirements and definitions
TC 35	ISO/DIS 11341	Paints and varnishes - Artificial weathering and exposure to artificial radiation - Exposure to filtered xenon-arc radiation (Revision of ISO11341:1994)
TC 45	ISO/DIS 2302	Isobutene-isoprene rubber (IIR) - Evaluation procedure (Revision of ISO2302:1995)
TC 54	ISO/DIS 3053	Oil of grapefruit (<i>Citrus mult, paradisi Macfad.</i>), obtained by expression (Revision of ISO 3053:1975)
TC 54	ISO/DIS 3809	Oil of lime (cold pressed), Mexicanntype (<i>Citrus aurantifolia (Christm.) Swingle</i>), obtained by mechanical means (Revision of ISO 4724:1984)
TC 54	ISO/DIS 4724	Oil of cedarwood, Virginia (<i>Juniperus virginiana L.</i>) (Revision of ISO 4724:1984)
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24		2002- 12- 10	()
74	(Isothermal tanks)	2002- 12- 11	(). 2,000 5,000 ()
73		2002- 12- 11	(discontinuous) ()

가						
5	TPKM	/	/	2002- 12- 12	2004- 01- 01	2004.1.1 (labelling)
6		/	/	2002- 12- 13		() 2003. , (paracetamol), 24mg (elemental iron) 가
5				2002- 12- 13		2002.
21				2002- 12- 17		().
67		/	/	2002- 12- 19		Phenytoin Sodium Prompt, 100mg sodium phenytoin
66		/	/	2002- 12- 19	2002- 11- 12	.
65				2002- 12- 19	2002- 10- 31	MERCOSUR()
64				2002- 12- 19	2002- 11- 06	(가) MERCOSUR()
63		/	/	2002- 12- 19	2002- 11- 04	(Mendoza) ()
62		/	/	2002- 12- 19	2002- 10- 24	().
46				2002- 12- 20		().
						WIPI
61				(shaving) 2002- 12- 20		Fushi Kæfushi

	가					
60		/ /	2002- 12- 20			
59		/	2002- 12- 20		()	
5	가	,	2002- 12- 20	2002- 12- 01	N- nitrosamine	N- nitrosatable
6		,	2002- 12- 23	2003- 02- 01		가 .
						가
					: (1)	(2)
					(3)	가
5		,	2002- 12- 23	2003- 02- 01		가 .
						가
					: (1)	(2)
					(3)	가
4		,	2002- 12- 23	2003- 02- 01		가 .
	(putty),					가
					: (1)	(2)
					(3)	가
3		,	2002- 12- 3	2003- 02- 01		가 .
		,				가
	(putty)				: (1)	(2)
					(3)	가
2		,	2002- 12- 23	2003- 02- 01		가 .
	,가	,				가
					: (1)	(2)
					(3)	가

	가				
1		,	2002- 12- 2003-02- 23 01		가 . 가 : (1) (2) (3) 가
65	/ /		2002- 12- 23		(). ,
64	/ /		2002- 12- 23		. 가
63	/ /		2002- 12- 23	Kayaku	. 2 "Fruits" "Citrus fruits"
62	/ /		2002- 12- 23	Raw-type	. 가 "Raw-type"
1		가 ,	2002- 12- 23		가
53	/ /		2002- 12- 23	Halocarbon()	() 2002
24	EC		2002- 12- 24	3	가