

제311호(1/4)

국제공인시험기관인정서

기 관 명 : (주)엘지화학(테크센터)

대 표 자 : 김반석

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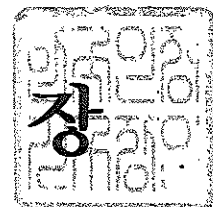
유효 기 간 : 2011년 1월 21 일 ~ 2015년 1월 20일

인정분야 및 범위 : 별첨

상기 시험기관을 KS Q ISO/IEC 17025:2006 인정요건 및 국가표준기본법 제23조의 규정에 의거하여 국제공인시험기관으로 인정합니다. 또한 ISO-ILAC-IAF 공동성명(2009.1.8)에 언급된 바와 같이 인정된 분야 및 범위에 대한 기술적 능력과 시험기관 품질경영시스템이 적절함을 인정합니다.

2011년 1월 21일

한 국 인 정 기 구





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1. 역학시험

1.010 플라스틱 및 관련제품

규격번호	규격명
ASTM D638 : 2010	Standard Test Method for Tensile Properties of Plastics (excepting 1.3 Poisson's ratio)
ASTM D790 : 2010	Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM D792 : 2008	Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement (8. Test Method A)
ASTM D785 : 2008	Standard Test Method for Rockwell Hardness of Plastics and Electrical Insulating Materials (11. Procedure A)
ASTM D1238 : 2010	Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer (9. Procedure A)
ASTM D256 : 2010	Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics (4.1.1 Test Method A, 4.2 Test Method E)
ASTM D648 : 2007	Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position (7.1.1.2 Method B)
ASTM D1525 : 2009	Standard Test Method for Vicat Softening Temperature of Plastics
ASTM E831 : 2006	Standard Test Method for Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis
ISO 527-1 : 1993	Plastics-Determination of tensile properties-Part 1 : General principles (excepting 4.7 Poisson's ratio)
ISO 527-2 : 1993	Plastics-Determination of tensile properties-Part 2 : Test conditions for moulding and extrusion plastics
ISO 178 : 2001	Plastics-Determination of flexural properties
ISO 1183-1 : 2004	Plastics-Methods for determining the density of non-cellular plastics-Part 1 : Immersion method, liquid pycnometer method and titration method (5.1 Method A)



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1.010 플라스틱 및 관련제품(계속)

규격번호	규격명
ISO 2039-2:1987	Plastics -- Determination of hardness -- Part 2: Rockwell hardness
ISO 2039-2 : 1987	Plastics-Determination of hardness- Part 2 : Rockwell hardness
ISO 1133 : 2005	Plastics-Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics (8. Procedure A)
ISO 180 : 2000	Plastics-Determination of Izod impact strength (6.3.1 Method A, Method U)
ISO 179-1 : 2010	Plastics-Determination of Charpy impact properties-Part 1 : Non-instrumented impact test
ISO 75-1 : 2004	Plastics-Determination of temperature of deflection under load-Part 1 : General test method
ISO 75-2 : 2004	Plastics-Determination of temperature of deflection under load-Part 2 : Plastics and ebonite
ISO 306 : 2004	Plastics-Thermoplastic materials- Determination of Vicat softening temperature (VST)
ISO 11359-2 : 1999	Plastics-Thermomechanical analysis(TMA) -Part 2 : Determination of coefficient of linear thermal expansion and glass transition temperature
KS M ISO 527-2:2008	플라스틱-인장성의 측정-제2부:성형 및 압출 플라스틱의 시험조건
KS M ISO 178:2007	플라스틱-굴곡성의 측정
KS M ISO 1183:2006	플라스틱-비발포 플라스틱의 밀도 및 상대 밀도 측정 5.1항 A법
KS M ISO 2039-2:2008	플라스틱-경도의 측정-제2부:로크웰 경도



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1.010 플라스틱 및 관련제품(계속)

규격번호	규격명
KS M ISO 1133:2007	플라스틱-열가소성 플라스틱의 용융질량흐름(MFR) 및 용융체적흐름(MVR)의 측정(6항 A법)
KS M ISO 180:2007	플라스틱-아이조드 충격강도의 측정 (6.3.1항 A법, U법)
KS M ISO 179-1:2007	플라스틱-샤르피 충격강도의 측정 - 제1부: 계측기기 미보유
KS M ISO 75-1:2002	플라스틱-하중 변형 온도의 측정 - 제1부:일반 방법
KS M ISO 75-2:2003	플라스틱-하중 변형 온도의 측정 - 제2부: 플라스틱 및 에보나이트
KS M ISO 306:2002	플라스틱-열가소성 플라스틱-비카트 연화온도(VST)의 측정
KS M ISO 11359-2:2002	플라스틱-열기계 분석(TMA) - 제2부: 선열팽창계수 및 유리전이온도의 측정

끝.



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CERTIFICATE OF ACCREDITATION

Name of Laboratory : LG Chem, Ltd. / Tech Center

Representative : Bahnsuk Kim

Address of Headquarters : 20, Yeouido-dong, Yeongdeungpo-gu, Seoul,
150-875, Korea

Address of Laboratory : 84, Jang-dong, Yuseong-gu, Daejeon, 305-343,
Korea

Duration : January 21, 2011 ~ January 20, 2015

Scope of Accreditation

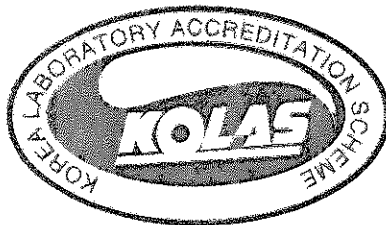
(Scope of Accreditation is described in the accompanying Annex)

This testing laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025 : 2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated 8 January 2009).

January 21, 2011

Administrator,

Korea Laboratory Accreditation Scheme(KOLAS)



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1. Mechanical Test

1.010 Plastics and Related Products

Test method	Standards designation
ASTM D638 : 2010	Standard Test Method for Tensile Properties of Plastics (excepting 1.3 Poisson's ratio)
ASTM D790 : 2010	Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM D792 : 2008	Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement (8. Test Method A)
ASTM D785 : 2008	Standard Test Method for Rockwell Hardness of Plastics and Electrical Insulating Materials (11. Procedure A)
ASTM D1238 : 2010	Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer (9. Procedure A)
ASTM D256 : 2010	Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics (4.1.1 Test Method A, 4.2 Test Method E)
ASTM D648 : 2007	Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position (7.1.1.2 Method B)
ASTM D1525 : 2009	Standard Test Method for Vicat Softening Temperature of Plastics
ASTM E831 : 2006	Standard Test Method for Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis
ISO 527-1 : 1993	Plastics-Determination of tensile properties-Part 1 : General principles (excepting 4.7 Poisson's ratio)
ISO 527-2 : 1993	Plastics-Determination of tensile properties-Part 2 : Test conditions for moulding and extrusion plastics
ISO 178 : 2001	Plastics-Determination of flexural properties
ISO 1183-1 : 2004	Plastics-Methods for determining the density of non-cellular plastics-Part 1 : Immersion method, liquid pycnometer method and titration method (5.1 Method A)



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1.010 Plastics and Related Products(Cont.)

Test method	Standards designation
ISO 2039-2:1987	Plastics -- Determination of hardness -- Part 2: Rockwell hardness
ISO 2039-2 : 1987	Plastics-Determination of hardness- Part 2 : Rockwell hardness
ISO 1133 : 2005	Plastics-Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics (8. Procedure A)
ISO 180 : 2000	Plastics-Determination of Izod impact strength (6.3.1 Method A, Method U)
ISO 179-1 : 2010	Plastics-Determination of Charpy impact properties-Part 1 : Non-instrumented impact test
ISO 75-1 : 2004	Plastics-Determination of temperature of deflection under load-Part 1 : General test method
ISO 75-2 : 2004	Plastics-Determination of temperature of deflection under load-Part 2 : Plastics and ebonite
ISO 306 : 2004	Plastics-Thermoplastic materials- Determination of Vicat softening temperature (VST)
ISO 11359-2 : 1999	Plastics-Thermomechanical analysis(TMA) -Part 2 : Determination of coefficient of linear thermal expansion and glass transition temperature
KS M ISO 527-2:2008	Plastics-Determination of tensile properties-Part 2:Test conditions for moulding and extrusion plastics
KS M ISO 178:2007	Plastics-Determination of flexural properties
KS M ISO 1183:2006	Plastics-Methods for determining the density and relative density of non-cellular plastics chapter 5.1 method A
KS M ISO 2039-2:2008	Plastics-Determination of hardness -Part 2:Rockwell hardness



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1.010 Plastics and Related Products(Cont.)

Test method	Standards designation
KS M ISO 1133:2007	Plastics-Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics chapter 6. method A
KS M ISO 180:2007	Plastics-Determination of Izod impact strength chapter 6.3.1 method A, method U
KS M ISO 179-1:2007	Plastics-Determination of Charpy impact properties -Part 1:Non-instrumented impact test
KS M ISO 75-1:2002	Plastics-Determination of temperature of deflection under load-Part 1:General test method
KS M ISO 75-2:2003	Plastics-Determination of temperature of deflection under load-Part 2:Plastics and ebonite
KS M ISO 306:2002	Plastics-Thermoplastics materials-Determination of Vicat softening temperature(VST)
KS M ISO 11359-2:2002	Plastics-Thermomechanical analysis (TMA) -Part 2:Determination of coefficient of linear thermal expansion and glass transition temperature

End.