



TEST REPORT



98, Gyoyukwon-ro, Gwacheon-si, Gyeonggi-do, 13810, Korea

TEL 82-43-211-6144

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Report No : TAK-2018-032197
 Representative : HAN MYEUNG HO
 Company name : Hanwha L&C
 Address : 7_8F, CENTER1 Bldg, 26, Uljiro 5-gil, Jung-gu, Seoul, Korea
 Sample name : HANEX(D)

Receipt Date : 2018.02.21.
 Test Completion Date : 2018.03.13.

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Specific Gravity((23/23) °C)	-	-	1.73	ASTM D792-13(Method A)
Rockwell Hardness(HRM)	-	-	85	ASTM D785-08(2015)(Procedure A)
Tensile Strength	MPa	-	32.2	ASTM D638-14(*)
Tensile Modulus of Elasticity	GPa	-	9.52	ASTM D638-14(*)
Flexural Strength	MPa	-	59.9	ASTM D790-17(**)
Flexural Modulus of Elasticity	GPa	-	8.67	ASTM D790-17(**)
Izod Impact Strength	J/m	-	17	ASTM D256-10e1(Method A)
Water Absorption(24 h Immersion)	%	-	0.04	ASTM D570-98(2010)e1
Density(23 °C)	g/cm³	-	1.73	ASTM D792-13(Method A)
Heat Resistance(Appearance)	-	-	No Defects	JIS K 6902 : 2007(Method B)
Heat Water Resistance(Appearance)	-	-	No Defects	JIS K 6902 : 2007(Method B)
Deflection Temperature Under Load(1.82 MPa)	°C	-	103	ASTM D648-16(Method B)
Thermal Expansion	1/°C	-	5.3×10 ⁻⁵	JIS K 6911:1995

* Speed of Testing: 5 mm/min(Modulus: 1 mm/min), Specimen Type: Type I

** Speed of Testing: 4.9 mm/min, Support Span: 190 mm

- Usage of Report : QUALITY CONTROL

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2018.03.13

Korea Testing & Research Institute

President

Byun, Jong-Rip



QR Code for forgery



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- Note :
- The test results of this test report are only limited in to the samples and sample names provided by the client and do not guarantee the quality of all products of the client. You Can check website (www.ktr.or.kr) or QR code to verify the authenticity of the certificate.
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