



# TEST REPORT

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

TEL 82-43-211-6144

FAX 82-43-211-6148

Report No : TAK-2020-036598

Receipt Date : 2020.03.02.

Representative : YOO JUNG SEUK

Test Completion Date : 2020.03.23.

Company name : HYUNDAI L&amp;C

Address : 26, Eulji-ro 5-gil, Jung-gu, Seoul, Republic Korea

Sample name : HANEX(S)

## Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Specific Gravity((23/23) °C)(Method A)	-	-	1.78	ASTM D792-13
Rockwell Hardness(HRM)(Procedure A)	-	-	87	ASTM D785-08(2015)
Tensile Strength(*)	MPa	-	46.7	ASTM D638-14
Tensile Modulus of Elasticity(*)	GPa	-	10.6	ASTM D638-14
Flexural Strength(**)	MPa	-	67.1	ASTM D790-17
Flexural Modulus of Elasticity(**)	GPa	-	11.2	ASTM D790-17
Izod Impact Strength(Method A)	J/m	-	17	ASTM D256-10(2018)
Water Absorption(24 h Immersion)	%	-	0.02	ASTM D570-98(2018)
Density(23 °C)(Method A)	g/cm <sup>3</sup>	-	1.78	ASTM D792-13
Heat Resistance(Appearance)	-	-	No Defects	Referencing JIS K 6902 : 2007(Method B)
Heat Water Resistance(Appearance)	-	-	No Defects	Referencing JIS K 6902 : 2007(Method B)
Deflection Temperature Under Load(1.82 MPa)	°C	-	103	ASTM D648-18(Method B)
Thermal Expansion	1/°C	-	$3.2 \times 10^{-5}$	Referencing KS M 3015 : 2003

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

\*\* Support Span: 190 mm, Speed of Testing: 5.0 mm/min

- Usage of Report : QUALITY CONTROL

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2020.03.23

## Korea Testing & Research Institute

President



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전자문서본(Electronic Copy)



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- Note :
1. 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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