



TEST REPORT

98, Gyoyukwon-ro, Gwacheon-si, Gyeonggi-do, 13810, Rep. of KOREA

TEL 82-2-2164-0011

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Report No : TAK-016406

Representative : Lee Ja Hyung

Company name: Lotte Advanced Materials Co., Ltd.

Address : 56, Gosan-ro, Uiwang-si, Gyeonggi-do, Korea 16073

Receipt Date : 2017.07.03.

Test Completion Date : 2017.07.11.

Sample name : Artificial Marble (STARON)

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Specific Gravity((23/23) °C)	-	-	1.78	ASTM D792-13(Method A)
Water Absorption(24 h Immersion)	%	-	0.03	ASTM D570-98(2010)e1
Barcol Hardness	-	-	67	ASTM D2583-13a
Rockwell Hardness(HRM)	-	-	93	ASTM D785-08(2015) (Procedure A)
Izod Impact Strength	J/m	-	18	ASTM D256-10e1(Method A)
Tensile Strength	MPa	-	36.4	ASTM D638-14(*)
Flexural Strength	MPa	-	53.5	ASTM D790-15e2(**)
Flexural Modulus of Elasticity	GPa	-	10.5	ASTM D790-15e2(**)
Thermal Expansion	1/°C	-	6.5×10□□	JIS K 6911 : 1995
Deflection Temperature Under Load(1.82 MPa)	°C	-	109	ASTM D648-16(Method B)
Heat Resistance(Appearance)	-	-	No Defects	JIS K 6902 : 2007(Method B)
Heat Water Resistance(Appearance)	-	-	No Defects	JIS K 6902 : 2007(Method B)
Dropping Impact Test	-	-	No Defects	By The Client(***)

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Jungyuseok

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2017.07.11.

Korea Testing & Research Institute
President



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* Speed of Testing: 5 mm/min, Specimen Type: Type I
 ** Speed of Testing: 5.0 mm/min, Support Span: 190 mm
 *** Fall height : 2 m, 112 g(bearing ball), Test specimen : Concrete, Appearance : Crack
 - Usage of Report: QUALITY CONTROL

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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 President



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