

TEST REPORT

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

TEL 82-43-211-6144

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Report No : TAK-2024-130477

Receipt Date : 2024.09.06.

Representative : Han Myoung Ho

Test Completion Date : 2024.10.03.

Company name : LX HAUSYS Co.,Ltd.

Address : 98, Huam-ro, Jung-gu, Seoul, Republic of Korea.

Sample name : Artificial Marble Solid (S028E)

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Specific Gravity((23/23) °C)(Method A)	-	-	1.77	ASTM D792-20
Rockwell Hardness(HRM)(Procedure A)	-	-	88	ASTM D785-23
Barcol Hardness	-	-	66	Client Provided Test Method(ASTM D2583-13a)
Tensile Strength(**)	MPa	-	47.2	ASTM D638-22
Tensile Modulus of Elasticity(**)	GPa	-	10.5	ASTM D638-22
Flexural Strength(***)	MPa	-	62.4	ASTM D790-17
Flexural Modulus of Elasticity(***)	GPa	-	10.4	ASTM D790-17
Izod Impact Strength(Method A)	J/m	-	16	ASTM D256-23e1
Water Absorption(24 h Immersion)	%	-	0.02	ASTM D570-22
Appearance(Crack) after Heat Resistance[(170 ± 2) °C × 20 min]	-	-	-	By the Client
- Appearance(Crack)	-	-	No Defects	By the Client
Temperature Under Flexural Load(1.82 MPa)	°C	-	106	ASTM D648-18
Thermal Expansion	1/°C	-	4.4×10^{-5}	applied KS M 3015 : 2003
Pencil Hardness(Mitsubishi Pencil)	-	-	8H	KS M ISO 15184 : 2020(application)

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Reviewed by Kyoung-Mun KIM

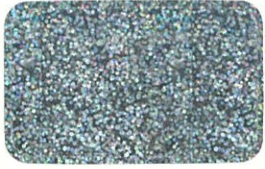
Tel : 1577-0091(ARS ①→④)

2024.10.03

Korea Testing & Research Institute

President *Kim Hyun Cheol*

QR Code for forgery



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Sample name : Artificial Marble Solid (S028E)

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Appearance(Crack) after Hot Water Resistance	-	-	-	By the Client(****)
- Appearance(Crack)	-	-	No Defects	By the Client(****)

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

*** Support Span: 190 mm, Speed of Testing: 5.1 mm/min

**** Crack or non-crack after poured boiling water on the surface of the test specimen

- 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.
2. This test report shall be used only within the purpose of its defined usage and shall not be used for public relation, advertisement and lawsuit.
3. This test report is only valid when printed on KTR original report paper with hologram and when re-issued by KTR. The copy and the electronic file of the test report are only for reference.

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