



TEST REPORT

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

TEL 82-43-211-6144

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Report No : TAK-2021-114972

Receipt Date : 2021.08.02.

Representative : Kang Gye Woong, Kang In Sik

Test Completion Date : 2021.08.31.

Company name : LX HAUSYS Co.,Ltd.

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

Sample name : Artificial Marble Solid (S728M)

Test Results

| TEST ITEM | UNIT | SAMPLE | RESULT | TEST METHOD |
|--|------|--------|----------------------|------------------------------------|
| Specific Gravity((23/23) °C)(Method A) | - | - | 1.98 | ASTM D792-20 |
| Rockwell Hardness(HRM)(Procedure A) | - | - | 88 | ASTM D785-08(2015) |
| Barcol Hardness | - | - | 65 | ASTM D2583-13a |
| Tensile Strength(***) | MPa | - | 33.2 | ASTM D638-14 |
| Tensile Modulus of Elasticity(***) | GPa | - | 19.4 | ASTM D638-14 |
| Flexural Strength(****) | MPa | - | 57.3 | ASTM D790-17 |
| Flexural Modulus of Elasticity(****) | GPa | - | 18.0 | ASTM D790-17 |
| Izod Impact Strength(Method A) | J/m | - | 20 | ASTM D256-10(2018) |
| Water Absorption(24 h Immersion) | % | - | 0.02 | ASTM D570-98(2018) |
| Appearance(Crack) after Heat Resistance[(170 ± 2) °C × 20 min] | - | - | No Defects | By The Client |
| Temperature Under Flexural Load(1.82 MPa) | °C | - | 104 | ASTM D648-18(Method B) |
| Thermal Expansion | 1/°C | - | 4.3×10^{-5} | Referencing KS M 3015 : 2003 |
| Pencil Hardness(Mitsu bishi pencil) | - | - | 9H | KS M ISO 15184 : 2012(Application) |
| Appearance(Crack) after Hot Water Resistance | - | - | No Defects | By The Client(**) |

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2021.08.31

Korea Testing & Research Institute

President



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|-----------|------|--------|--------|-------------|
|-----------|------|--------|--------|-------------|

** Changing Appearance(Crack) after pour boiled water on the surface

*** Specimen: Type III, Speed of Testing: 1 mm/min

**** Support Span: 186 mm, Speed of Testing: 5.0 mm/min

- 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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