



TEST REPORT

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

TEL 82-43-211-6144

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Report No : TAK-2023-011444

Receipt Date : 2023.01.17.

Representative : Taiyoen Choi, Liam Douglas

Test Completion Date : 2023.02.16.

Company name : Armacell Korea. LLC

Address : 112, 5sandan 1-ro, Seongnam-myeon, Dongnam-gu, Cheonan-si, Chungcheongnam-do, Korea

Sample name : ArmaFlex Class 1 Red

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Apparent Density	g/cm ³	-	0.043	KS M 6962 : 2012
Thermal Conductivity [Mean Temperature (20 ± 5) °C]	W/m · K	-	0.034	KS M 6962 : 2012
Water Vapor Permeance	ng/(m ² · s · Pa)	-	2	KS M 6962 : 2012
Formaldehyde emission	mg/L	-	0.1 below	KS M 6962 : 2012
Dimensional stability ((40 ± 1) °C, 48 h) (Length Change Rate)	-	-	-	KS M 6962 : 2012
-Horizontal Direction	%	-	0.9	KS M 6962 : 2012
-Vertical Direction	%	-	0.8	KS M 6962 : 2012
Water Absorption	g/100cm ²	-	0.6	KS M 6962 : 2012
Compression Set ((23 ± 2) °C, 50 % Compression, 22 h)	%	-	14	KS M 6962 : 2012
Oxygen Index	%	-	34	Client provided test method (KS M 6962: 2012 application)

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2023.02.16

Korea Testing & Research Institute

President



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전자문서본(Electronic Copy)



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Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
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* By The Client

- Armacell No. : QCN-05-2023

- Dimension : 19-099

- Manufacturer : Armacell Korea LLC

*Test condition

1. Temperature : 20 °C ± 2 °C

2. Test period : 24 h

3. Sample : Solid building materials (150 mm x 50 mm)

4. MDL : HCHO - 0.1 mg/L

- Usage of Report : QUALITY CONTROL

- 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.
 - 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.
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