

TEST REPORT



UNIVERSITY-INDUSTRY COOPERATION
FOUNDATION KOREA AEROSPACE UNIVERSITY

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Report No.: 17-1001-001-02

1. Client

- Name: ALCOPANEL Co., Ltd.
- Address: 275, Gangnam-daero, Seocho-gu, Seoul, Republic of Korea
- Date of Receipt: Mar. 21. 2017

2. Sample Description

- Material : ALCOPANEL ALUMINUM COMPOSITE PANEL
(0.5 mm Aluminum skin + 3 mm core + 0.5 mm Aluminum skin)
- Tensile test specimen (Width: 12.5 mm, Gage Length: 50 mm)

3. Date of Test: April. 11. 2017

4. Test method used: ASTM E8/E8M -16a

5. Test Results

Test item	Unit	Result	Measurement uncertainty (Confidence level %, $k =$)
Tensile Strength	MPa	55	1 (95 %, $k = 2.36$)
	(kgf/mm ²)	(5.6)	(0.1 (95 %, $k = 2.36$))
Modulus of Elasticity	GPa	17	1 (about 95 %, $k = 2$)
	(kgf/mm ²)	(1680)	(190 (about 95 %, $k = 2$))
Yield Strength	MPa	50	1 (95 %, $k = 2.31$)
	(kgf/mm ²)	(5.1)	(0.1 (95 %, $k = 2.31$))
Elongation	%	2.45	0.29 (95 %, $k = 2.78$)

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

1) Conversion factor.(1 MPa = 0.102 kgf/mm²)

Affirmation	Tested by	Technical Manager
	Name : Lee, Dong Geon (Signature)	Name : Lee, Soo Yong (Signature)

The above test certificate is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

April 24, 2017

Dean of University-Industry Cooperation Foundation (signature)

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