



Test Report

Report No. TC.26.04.001741

Date of Issue 2026-04-17



Applicant: TCcore Applied Honeycomb Technology Co., LTD
Applicant Address: NO.31,Gongye 1st Rd., Annan Dist.,Tainan City 70955, Taiwan(R.O.C)
Sample Description: ALUMINIUM HONEYCOMB
Style No.: Foil Thickness0.05*Cell Sizeø6.4-NR-Thickness15.8mm
Manufacturer: Zhangjiagang JiangLian Precision Machinery CO.,LTD
End Use: Exported
Receipt Date of Sample: Received on 2026-04-14
Date of Testing: From 2026-04-14 to 2026-04-16
Sample Submitted: The Sample(s) and Its (Their) Information(s) Was (Were) Submitted by Applicant and Identified.
Test Result: Refer to Next Page.

TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd.

Prepared by:

Ryan Shan

Ryan Shan

Approved by:

Leo Wang

Leo Wang

Note:

- (1) Each order is subject to acceptance of our [General Terms and Conditions](#) and the [TÜV SÜD Testing, Certification, Validation and Verification Regulation](#), in the version valid at the time the contract is concluded. For full version of above both documents, please visit the link to view.
- (2) The results in this report are relevant only to the sample(s) tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory.
- (4) Disclaimer: Measurement Uncertainty:

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 or CNAS-GL015:2022

Regd. Office:
TÜV SÜD SW Rail Transportation
Technology (Jiangsu) Co., Ltd.
Test location: Changzhou

Phone: +86/0519-81239872
Fax: +86/0519-81239872-123
E-mail: czx.qm@tuvsud.com
Web: <http://www.tuvsud.com>

Address:
Building 17, Innovative Industry Park, No. 377
Wuyinan Road, National High and New Technology &
Industry Development Zone, Wujin, 213015 P.R. China



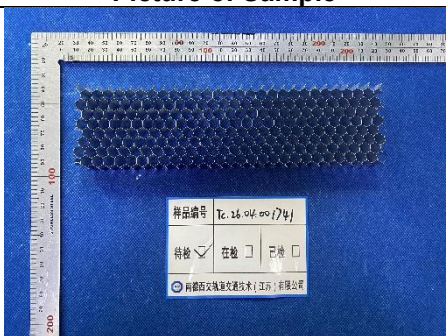


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Description of the test subject

Sample	Description	Picture of Sample
001	ALUMINIUM HONEYCOMB	

Conclusion:

Test Items	Standard	Conclusion
1 Shear strength	ASTM C273/C273M-20	See test results



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Test Results

1. Shear strength

Test method: ASTM C273/C273M-20

Sample conditioning: (23±2)°C, (50±5)%RH, 24h

Test environment: 23.2°C, 50%RH

Test equipment: Universal material testing machine MC-JB-053, Digital calipers MC-JB-323

Test speed:0.50mm/min

L:

Sample No.	Core shear strength (MPa)	Core shear modulus value (MPa)	Failure Mode
1	1.15	239	SGE
2	1.03	231	SGE
3	1.08	212	SGE
4	1.10	216	SGE
5	1.15	225	SGE
Average	1.10	225	/
Client's requirement	>0.8	/	/
Conclusion	Pass	/	/

W:

Sample No.	Core shear strength (MPa)	Core shear modulus value (MPa)	Failure Mode
1	0.588	127	SGE
2	0.610	143	SGE
3	0.633	152	SGE
4	0.625	131	SGE
5	0.624	140	SGE
Average	0.616	139	/
Client's requirement	>0.47	/	/
Conclusion	Pass	/	/



Phone: +86/0519-81239872
 Fax: +86/0519-81239872-123
 E-mail: czx.qm@tuvsud.com
 Web: <http://www.tuvsud.com>

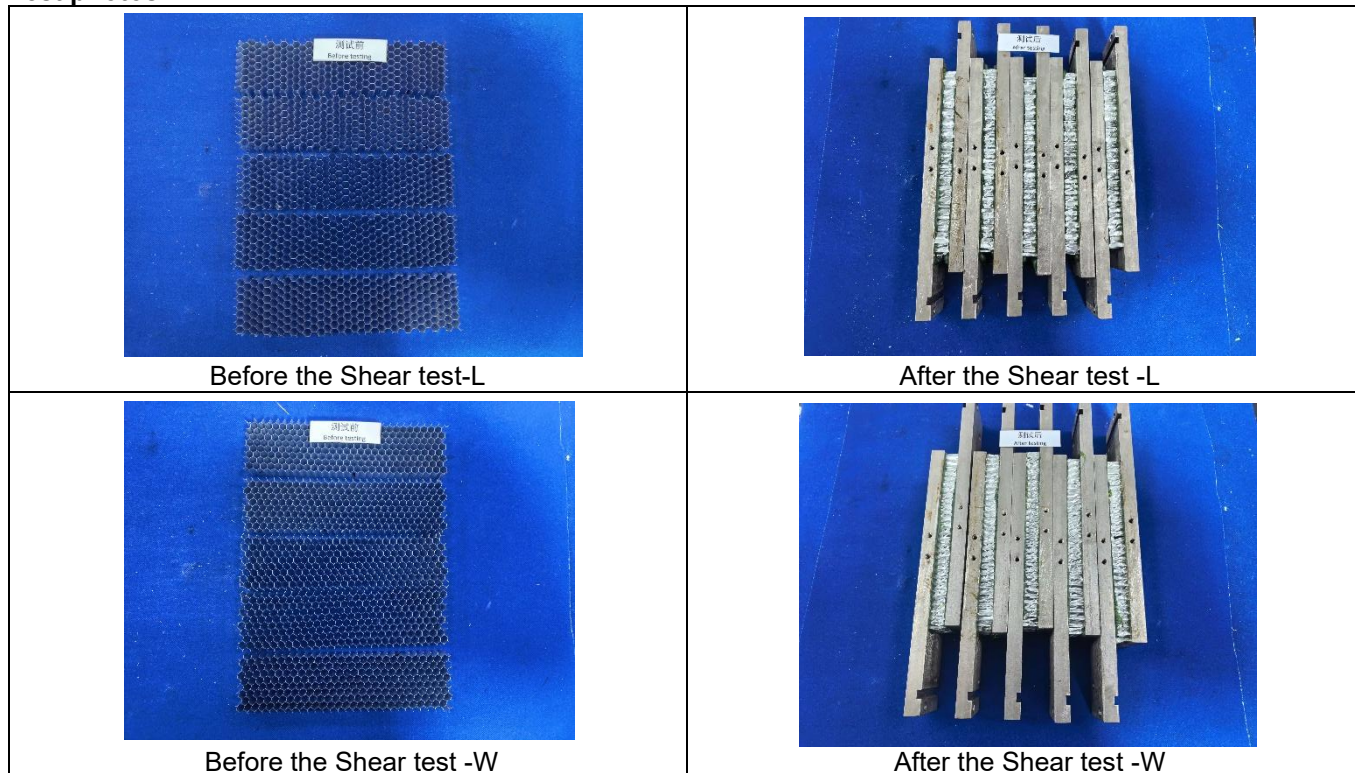
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 Building 17, Innovative Industry Park, No. 377
 Wuyinan Road, National High and New Technology &
 Industry Development Zone, Wujin, 213015 P.R. China

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Test photos:



-End of Report-