

TEST REPORT

No. : SHIN2504000951CM02_EN

Date : 2025-05-23

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CUSTOMER NAME: ANHUI JIT NEW MATERIAL CO., LTD.
ADDRESS: NO. 7, SONGQUAN EAST ROAD, XUANCHENG HI-TECH
INDUSTRIAL DEVELOPMENT ZONE, ANHUI PROVINCE, CHINA

Sample Name : XPS INSULATION BOARD
Product Specification : 004:Thickness 20mm, 005:Thickness 20mm, 006:Thickness 20mm,
010:Thickness 50mm, 011:Thickness 50mm, 012:Thickness 50mm,

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : NBIN2504000029CPC01
Date of Receipt : 2025-04-25
Testing Period : 2025-04-25 ~ 2025-05-08
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services (Shanghai) Co., Ltd..

Xander Yang

Xander Yang
Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Thermal Conductivity and Thermal Resistance	EN 13164:2012+A1:2015 Clause 4.2.1 & EN 12667:2001 Heat Flow Meter Method	See Result	N/A

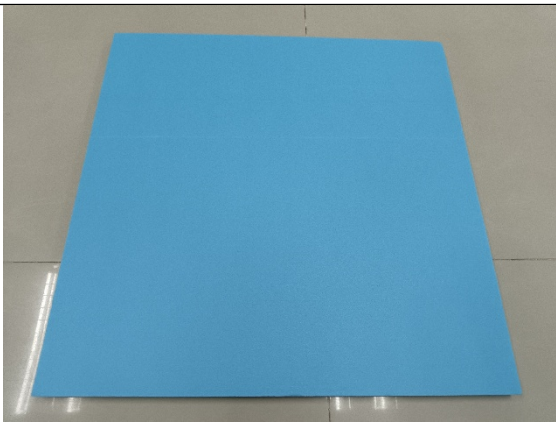
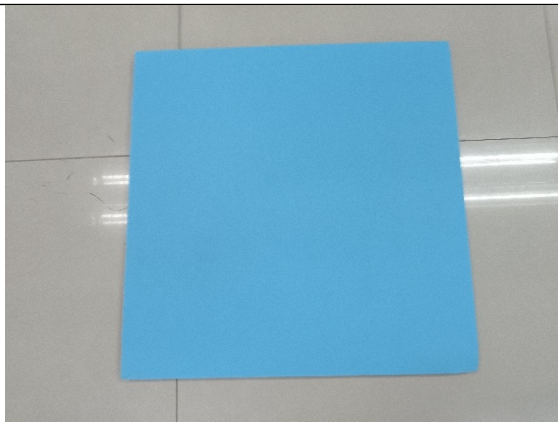
Note:

Pass : Meet the requirements;

Fail : Does not meet the requirements;

N/A : Not Apply to the judgment.

Original Sample Photo(s):

	
Specimen 004	Specimen 005



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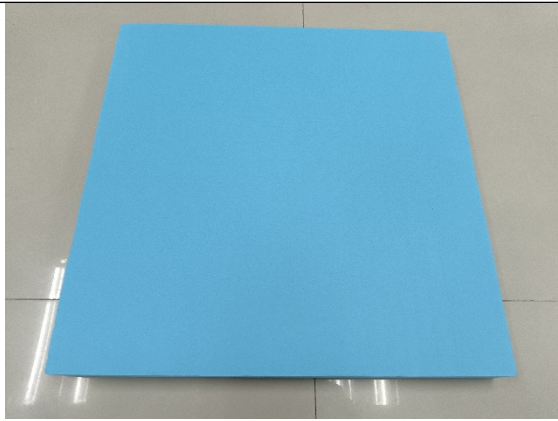
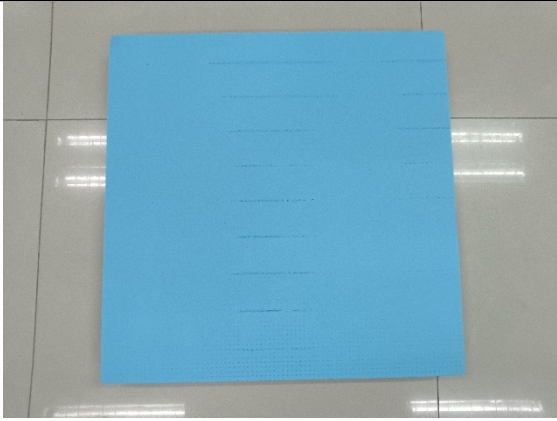
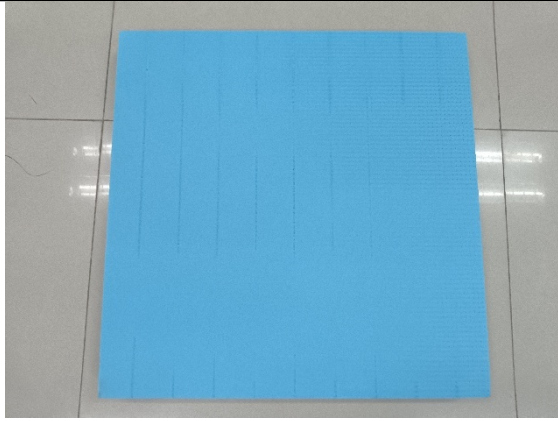
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Specimen 006	Specimen 010
	
Specimen 011	Specimen 012

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Test Item: Thermal Conductivity and Thermal Resistance

Test Method: EN 13164:2012+A1:2015 Clause 4.2.1 & EN 12667:2001 Heat Flow Meter Method

Test Condition:

Specimen 004: 300mm×300mm×20.0mm, 1pc

Density: about 35.6kg/m³

Specimen 005: 300mm×300mm×20.0mm, 1pc

Density: about 34.3kg/m³

Specimen 006: 300mm×300mm×20.0mm, 1pc

Density: about 35.5kg/m³

Specimen 010: 300mm×300mm×50.0mm, 1pc

Density: about 33.1kg/m³

Specimen 011: 300mm×300mm×50.0mm, 1pc

Density: about 33.0kg/m³

Specimen 012: 300mm×300mm×50.0mm, 1pc

Density: about 32.7kg/m³

Mean temperature: 10°C

Temperature difference: 20°C

Lab Environmental Condition: (23±2)°C, (50±5)%RH

Test Result:

Test Item		Test Result
Thermal Conductivity	Specimen 004	0.029 W/(m·K)
	Specimen 005	0.031 W/(m·K)
	Specimen 006	0.030 W/(m·K)
	Specimen 010	0.025 W/(m·K)
	Specimen 011	0.025 W/(m·K)
	Specimen 012	0.025 W/(m·K)
Thermal Resistance	Specimen 004	0.694 (m ² ·K)/W



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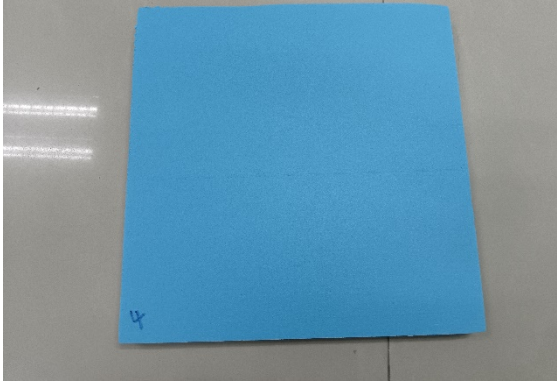
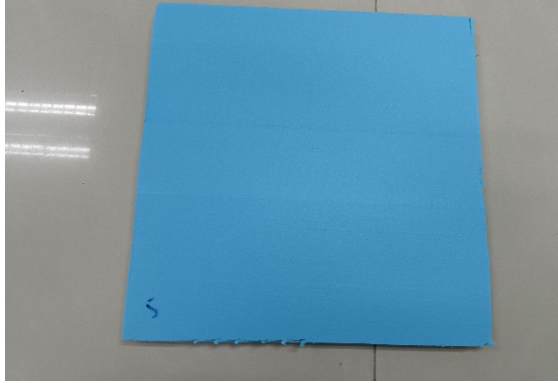
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	Specimen 005	0.649 (m ² ·K)/W
	Specimen 006	0.674 (m ² ·K)/W
	Specimen 010	2.02 (m ² ·K)/W
	Specimen 011	1.99 (m ² ·K)/W
	Specimen 012	2.02 (m ² ·K)/W

Note:

1. The test result can not be compared with other results obtained from different test conditions, and should not be cited to the use condition directly.
2. Test specimen was cut from original sample.

Specimen Photo(s):

	
Specimen 004	Specimen 005



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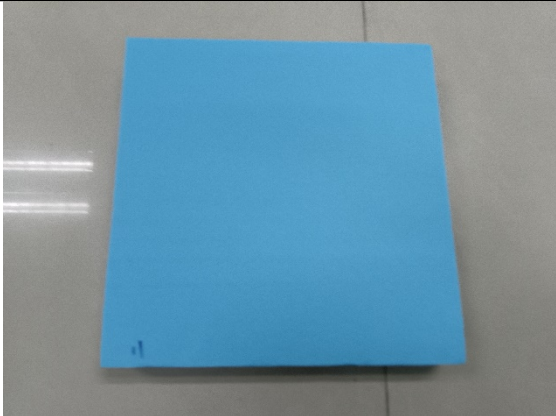
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Specimen 006	Specimen 010
	
Specimen 011	Specimen 012

The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

*****End of report*****



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