



TEST REPORT

No. : GZIN150700969CCM-01

Date : Aug. 18, 2015

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CLIENT NAME: MEXY TECH CO., LTD.

ADDRESS: ROOM 2-8, BUILDING B, TORCH INNOVATION PARK, JIHUA 2 ROAD, CHANCHENG DISTRICT FOSHAN CITY, GUANGDONG PROVINCE, CHINA.

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : WPC
SGS Ref. No. : KV-15-06491XA, GZIN1507028855MR
Test Performed : Selected test(s) as requested by applicant
Date of Receipt : Jul. 10, 2015
Test Period : Jul. 10, 2015 to Jul. 28, 2015

Test result(s) : Please refer to the following page(s)

*****To be continued*****

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co.,Ltd
Guangzhou Branch

Chandler Wu
Technical Engineer



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Test Information:

Sample description: See photo

Test item 1: Determination of moisture content

Test method: EN 322:1993

Test condition:

Specimen: 50×50×21.5mm

Condition: Dry at 103℃ for 48h and cool to room temperature in the desiccator.

Test result: 0.89%

Test item 2: Falling mass impact resistance

Test method: EN 15534-1:2014 section 7.1.2.1

Test condition:

Specimen: 300×141×21.3mm

Weight of steel ball: 1000g

Diameter of steel ball: 50mm

Falling height: 700mm

Span: 200mm

Test result:

Specimen NO.	1	2	3	4	5	6	7	8	9	10
Whether broken	No	No	No	No	No	No	No	No	No	No
Residual indentation, mm	9.16	9.32	9.16	8.78	8.74	8.86	8.96	9.24	9.06	8.95

*****To be continued*****



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Test item 3: Modulus of elasticity in bending and bending strength

Test method: EN 15534-1:2014 Section 7.3.2 and Annex A

Test condition:

Specimen: 550×141×21.2mm

Testing speed: 16mm/min

Span: 426mm

Test result:

Modulus of elasticity: 3758MPa

Bending strength: 26.8MPa

Test item 4: Withdrawal capacity of fasteners – Screw- Surface withdrawal

Test method: With reference to EN 13446:2002

Test condition:

Specimen: 50×50×21.5mm

Test speed: 2.0mm/min

Diameter of screw: 4.15mm

Diameter of lead hole: 3.0mm

Penetration depth: 21.5mm

Test result:

Max load: 4139N

Withdrawal parameter: 46.4N/mm²

*****To be continued*****



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Test item 5: Withdrawal capacity of fasteners – Screw- Edge withdrawal

Test method: With reference to EN 13446:2002

Test condition:

Specimen: 50×50×21.3mm

Test speed: 2.0mm/min

Diameter of screw: 4.15mm

Diameter of lead hole: 3.0mm

Penetration depth: 20.0mm

Test result:

Direction	Max load	Withdrawal parameter
X direction	3187N	38.4N/mm ²
Y direction	3553N	42.8N/mm ²

Test item 6: Coefficient of linear thermal expansion

Test method: ISO 11359-2:1999

Test condition:

Test temperature range: Ramp 5°C/min from -20°C to 80°C

Purge gas: Nitrogen (N₂), Purity 99.999%, Flow rate 50ml/min

Measurement Direction: Length

Force: 0.0203N

Test result:

Test Item	Test Method	Test Results	
Coefficient of linear thermal expansion (µm/m · °C)	ISO 11359-2:1999	No1	-20°C ~ 80°C : 59.97
		No2	-20°C ~ 80°C : 71.52
		No3	-20°C ~ 80°C : 68.77

*****To be continued*****



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Test item 7: Deflection Temperature under Load

Test method: ISO 75-1:2013 & ISO 75-2:2013 Method A

Test condition:

Specimen: 80 mm×10.30 mm×10.20 mm

Heat-transfer media: Silicone oil

T_f1.8

Rate of temperature:120 °C/h

Span: 64 mm

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

Test result: 80 °C

Test item 8: Oxygen Index

Test method: ASTM D2863-13

Test condition:

Specimen: Type III

Specimen thickness: 9.4 mm

Ignition procedure: Procedure A

Lab Environment Condition: 23 ± 2 °C, 50 ± 5 %RH

Test result: 21.8 %(See note 1)

Note: 1. Burning behavior: charring and after glow.

2. All test specimens were cut from the sample.

3. The test item 7 was carried out by a SGS internal laboratory.

Statement: Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.

*****To be continued*****



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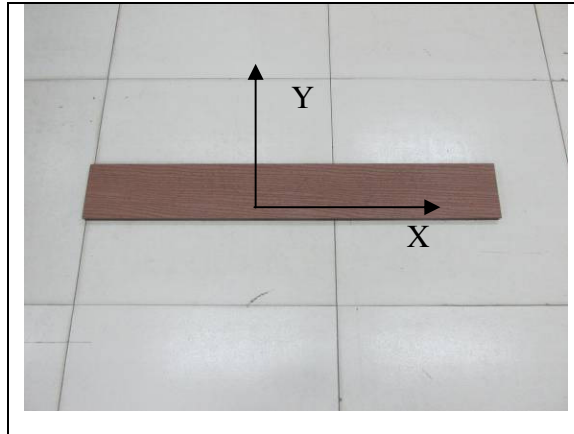
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Photo:



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



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