



TEST REPORT

NO. : GZIN150700969CCM-01

Date : Aug. 18, 2019

Page: 1 of 6

CLIENT NAME: KANOK TRADING CO.,LTD.

ADDRESS 288/99 PERFECT PARK PHASE1, ROMKLAO 6/1, ROMKLAO RD.,
MINBURI, MINBURI, BANGKOK 10510

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. 10,2019
Test Period : Jul. 10,2019 to Jul. 28,2019

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: 150x50x21.5mm

Condition: Dry at 103 °C 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: 150x50x21.5mm

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 bending and bending strength

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

Test condition:

Specimen: 150x50x21.5mm

Testing speed: 16mm/min

Span: 426mm

Test result:

Modulus of elasticity: 3758MPa

Bending strength: 26.8MPa

Test item 4: Withdrawal capacity of fastener - Screw- Surface withdrawal

Test Method: With reference to EN 13446:2002

Test Condition:

Specimen: 150x50x21.5mm

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 fastener - Screw- Edge withdrawal

Test method: With reference to EN 13446:2002

Test condition:

- Specimen: 150x50x21.5mm
- 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: Defection Temperature under load

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

Test condition:

Specimen: 150x50x21.5mm

Heat-transfer media: Silicone oil

T_f1.8

Rate of temperature:120°C /h

Span: 64mm

Lab Environment Condition: 25°C, 55% 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: 25°C, 55% 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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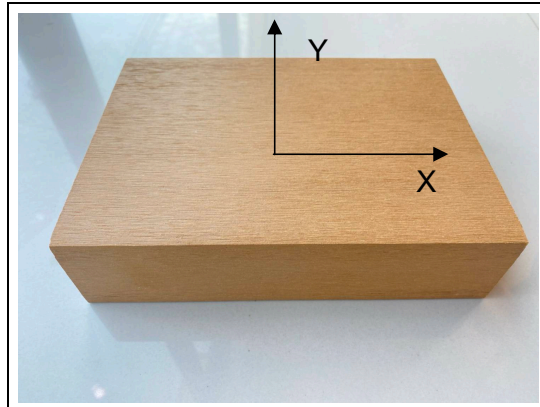
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Photo:



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



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