



2012000585E

National Test Center of Polymer & Building Materials



检测
CNAS L1049

Address: No. 14, Beisanhuandonglu, Chaoyang district, Beijing, China Post Code: 100013
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Fax: +86(0)1059202784, +86(0)1084290301 Web site: www.plastic-test.net

No.2014(C) 02005

CUSTOMER: Shandong Fangxing Building Materials Co., Ltd.

SAMPLES FOR TESTING

Name: Fangxing Gelay Roofing Sheet

Brand: Fangxing

Specification: 1000mm × 2.5mm

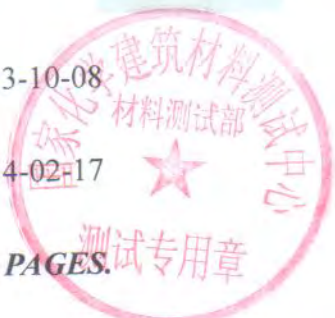
Manufacturer: Shandong Fangxing Building Materials Co., Ltd.

Appearance: Blue

DATE OF RECEIPT: 2013-10-08

ISSUE DATE: 2014-02-17

THIS REPORT COMPRISES 2 PAGES.



DIRECTOR: 李峰

CHECK: 潘颖



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TESTING RESULTS

No.2014(C) 02005

No.	Test Items	Unit	Test Results	Test Methods
1	Flexural strength	MPa	42.6	GB/T 9341-2008
2	Flexural modulus of elasticity	GPa	1.80	GB/T 9341-2008
3	Tensile stress at yield	MPa	27.9	GB/T 1040.2-2006
4	Nominal tensile strain at break	%	22	GB/T 1040.2-2006
5	Freeze-thaw resistance (30 circles)	/	No crack, bubble, stain	JG 149-2003
6	Density	g/cm ³	1.647	GB/T 1033.1-2008
7	Thermal conductivity	W/(m · K)	0.218	GB/T 10297-1998
8	Stress cracking (Analytical grade methanol, 15min)	/	Pass	QB/T 2976-2008
9	Behavior after heating at 150℃	/	No air bubble, crack, stain	GB/T 8814-2004
10	Heat reversion	%	0.21	GB/T 8814-2004
11	Vicat softening temperature (B ₅₀)	℃	83	GB/T 1633-2000
12	Charpy unnotched impact strength	kJ/m ²	48.2	ISO 179-1:2010

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Test: 胡孝义 孙泉





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TESTING RESULTS

No.2014(C) 02005

No.	Test Items	Unit	Test Results	Test Methods
13	Coefficient of linear thermal expansion (-30℃~+30℃)	℃ ⁻¹	5.11×10 ⁻⁵	GB/T 1036-2008
14	Resistance to impact by falling weight (23℃, 1.5m, 1.0kg)	/	Pass	JC/T 562-1994
15	Resistance to impact by falling weight (number of test pieces broken/ tested)(-10℃, 1m, 1.0kg)	piece	1/10	GB/T 8814-2004
16	Heat deflection temperature	℃	80	GB/T 1634.2-2004
17	Wind resistance	kPa	2.0	GB/T 7106-2002
18	Burning behavior	grade	B ₁	GB 50222-1995
19	Bearing capacity (1200mm span, deflection under load 0.4kN)	mm	7.9	GB/T 9341-2008
20	Bearing capacity (1200mm span, 3% deflection under capacity)	N	1305	GB/T 9341-2008
21	Bearing capacity (1500mm span, deflection under load 0.4kN)	mm	21.6	GB/T 9341-2008
22	Bearing capacity (1500mm span, 3% deflection under capacity)	N	700	GB/T 9341-2008

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