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TEST REPORT

№: 201834527

Entrusted by: ZHEJIANG AOCI DECORATION MATERIALS Co., Ltd.

Sample Name: POLYCARBONATE HOLLOW SHEET

Test Type: Entrustment test

National Research Center of Testing Techniques for Building Materials

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Sample name	POLYCARBONATE HOLLOW SHEET	**Test type**	Entrustment test
Entrusted by	ZHEJIANG AOCI DECORATION MATERIALS Co., Ltd.	**Brand**	ORIXON
Manufacturer	ZHEJIANG AOCI DECORATION MATERIALS Co., Ltd.	**Sample description**	Luminous sheet
Date of reception	Dec. 14th, 2018	**Sample No.**	———
Date of produce	———	**Batch No.**	———
Model / Size	6m × 2.1m × 6mm	**Quantity of Sample**	1m × 1m, three blocks
Test Standard	JG/T 116-1999 Multiwall polycarbonate sheets		
Test items	1. tensile stress at yield 2. flexural strength 3. hardness (Shore A) 4. temperature of deflection under load 5. thermal coefficient of expansion 6. impact resistance by a falling weight 7. light transmittance 8. ultraviolet transmittance(UV style) 9. appearance 10. cold bend		
Test conclusion	Test results of the product are satisfied with JG/T 116-1999. **Date of issued:** Dec. 28st, 2018 **(Seal)**		
Remarks:			

Approved by: **Verified by:** **Tested by:**

Address: No.1 Guanzhuang Dongli,Chaoyang District, Beijing (100024) TEL: 65728538

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No.	Test items	Standard index	Test results	Single item determination
1.	tensile stress at yield, MPa	⩾60	63.1	pass
2.	flexural strength, MPa	⩾80	86.1	pass
3.	hardness (Shore A), HA	⩾80	99	pass
4.	temperature of deflection under load, ℃	⩾125	127	pass
5.	thermal coefficient of expansion, $℃^{-1}$	$\leqslant 6.5\times10^{-5}$	6.1×10^{-5}	pass
6.	impact resistance by a falling weight, damage number	1/10	0	pass
7.	light transmittance, % (two layers, colorless transparent)	⩾75	75	pass
8.	ultraviolet satisfied ce(UV style)	0	0	pass
9.	appearance	Surface should be smooth, no air bubble, no crack, no obvious trace and so on. Stud should be symmetrical and no obvious incline.	satisfied	pass
10.	cold bend	board's surface must be bent in minimun radius without any crack.	satisfied	pass

Remarks:

The items from one to five are tested using solid sheet of thickness 3.0mm provided by the truster.

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