

	Subject	Test Method	Test Result
1	Fire Resistance	ASTM E84 -21a	Flame Spread Index(FSI): 100 Smoke Developed Index(SDI): 750
2	Heat Build-Up	EN15534	$\Delta T = -2.6^{\circ}\text{C}$
3	Coefficient Linear Thermal Expansion	ASTM D696 EN15534	$35.5 \times 10^{-6} \text{ mm/mm}^{\circ}\text{C}$ $34.1 \times 10^{-6} \text{ K}^{-1}$
4	Thermal Resistance	ASTM C18-2010	Thermal conductivity: 0.1571W(m-k) Thermal resistance: $0.0843(\text{m}^2\text{-K})/\text{W}$
5	Water absorbtion	ASTM D1037	Water absorbtion (24h): 0.9%
6	Moisture Content	EN15534 EN322	0.79%
7	Mould Resistance	ASTM G21	Rating 0
8	Neutral Salt Spray Test	ASTM B117-2011	There was no visible change after 250 hours tests Front surface: $\Delta E^*=1.20$ Scale: 4-5 Back surface: $\Delta E^*=1.00$ Scale: 4-5
9	UV Weathering Test	ASTM G154	After 2500 hours test, $\Delta E^*=3.24$
10	Indentation Hardness	EN15534	2000N load Brinell hardness: 60Mpa, Rate of elastic recovery: 63%