EcoDecking

New tech Roofing Systems

WPC's Properties

PROPERTY	Test Method	VALUE	UNIT
1. Density	ASTM D792-2008 METHOD B	1.285	G/CM3
2. Flexural Moduls	ASTM D790-07E1	3070	Mpa
3. Flexural Strength	ASTM D790-07E1	38.0	Mpa
4. Tensile Strength	ASTM D638-08	21.08	MPA
5. Water Absorption	ASTM D570-98	0.80	%
6. Linear Thermal Expansion Coeffiecient	TMA	75.95	UM/M°C
7. IZOD Impact Strength	ASTM D4812-06	79	J/m
8. Hardness	ASTM D2240-05	D/76/1	
9. Curling strength	ASTM D790	≥12	Mpa
10. Horizontal Burning	UL 94-1996REV.9:2006 SECTION 7	22	MM/MIN
11. Curling Flexible Module	ASTM D790	≥1600	Mpa
12. Compression Strength	ASTM D143	≥30	Mpa
13. Grip Nail Strength	ASTM D1037	≥3000	N
14. Nail Withdrawal Test	ASTM D1761	802	psi
15. Creep Recovery Test	ASTM D7032-SECTION 5.4	82.66	%
16. Hot Distorted Temperature	ASTM D648	≥100	°C