

Introduction

WPC is a new type of green environmental friendly material; it is outstanding for its natural wood effect and non-fading quality. A mix of wood flour and plastic, this means the warmth and look of solid wood combined with the properties of plastic.

Advantages:

- Will not rot, swell, splinter or split
- Easy to clean and to install fast and easy click and clamp system, easy to lay in every corner no special tools needed
- Environmentally friendly
- Slip resistance brushed surface
- Minimal discoloration, maintains original look. The fine brushed surface and high pigment content maintain its true color over long periods and make WPC similar in effect to natural wood
- Weather resistant, suitable from -40 C to 60 C
- 100% recyclable
- Suitable for use in home, garden, swimming pool, as well as public places. The appearance of WPC can be further established with LED lamps

Technical Characteristis

Items	Trialing organization & procedure	Value	Units	Items	Trialing organization & procedure	Value	Units
Density	ASTM D2395	1.00-1.20	g / cm ³	24h humidity absorption			
Resistance to traction	GB / T1040	24.0	MPa	Surface sanding	ASTM D1037	3.50	%
Rupture rate	GB / T1040	0.30	%	Surface not sanding	ASTM D1037	1.20	%
Resistance to bending	GB / T9341	32.0	MPa	Resistance to mildew	ASTM D1413	Not Rot	—
Elasticity module	GB / T9341	2160	MPa	Resistance to termites	AWPA E1-72	9.60	Grade
Resistance to compression	GB / T1041	52.0	MPa	Thermal expansion coefficient			
Resistance to Izod resilience test	GB / T1843	4.80	KJ/ m ²	Width		1.0 x 10 ⁻⁴ ~ 1.2 x 10 ⁻⁴ ~	mm/mm.0C
Resistance to tearing (screw extraction)	ASTM D1761	2200	KN	Length		0.8 x 10 ⁻⁴ ~ 1.0 x 10 ⁻⁴ ~	0 mm/mm. C
Burning point	ASTM D1929	390	0C	Humidity expansion			
Flash point	ASTM D1929	370	0C	Long time in the water		3	%
Linear speed of flame propagation	ASTM E84	80	mm / min	Long time in high humidity		1	%