

Plaswood Product Technical Datasheet – 1.2(N)

Plaswood lumber is a low-maintenance and cost-effective alternative to using traditional materials such as concrete, metal and wood. Plaswood is impervious to all weather, salt water and chlorine, it is inert and safe to use in the ground and water environments.



Information below represents typical properties for Plaswood:

Property	Value	Units	Test Method
Density	0.87	g/cm ³	BS EN ISO 1183-1:2004
Flexural Strength (23°C)	26	MPa	BS EN ISO 178:2010
Flexural Modulus	1150	MPa	BS EN ISO 178:2010
Flexural Stress at 5% strain **	14	MPa	BS EN ISO 178
Compressive Yield Stress	28.0	MPa	BS EN ISO 604:2003
Compressive Modulus	1.2	GPa	BS EN ISO 604:2003
Tensile Yield Stress *	22.0	MPa	BS EN ISO 527:1996
Tensile Modulus *	950	MPa	BS EN ISO 527:1996
Tensile Elongation at Break *	150	%	EN ISO 527 – 2
Impact Resistance (Charpy Notched)	12.1	kJ/m ²	BS EN ISO 179-1
Thermal Expansion	0.109	mm/m/°C	
Thermal Conductivity	145	10 ⁻⁶ K ⁻¹	
Softening temperature	85 to 100	°C	
Fire rating – UL94	HB		
Water Absorption	0.2	wt%	BS EN ISO 62:1999
Screw Pull Out	4.2	kN	BS EN ISO 1383:1999
Bolt Pull Out	>28	kN	BS EN ISO 5327:1996
Slip Resistance (Dry)	90	(Low Slip Risk)	BS 7976-2
Slip Resistance (Wet)	58	(Low Slip Risk)	BS 7976-2

Test results have been obtained using a typical production sample tested at an independent test laboratory. Please note that recycled plastics are, by their nature, variable. The values shown above should be regarded as indicative of the material.

* Tested with type 1b geometry at cross-head speed of 10mm/min at 23°C

** Tested using a span of 32x thickness at a flexural strain rate of 1% at 23°C



Full range includes: Tables • Benches • Bins/Composters • Planters • Garden furniture • Edging • Decking • Fencing/Gates • Signage • Lumber • Boardwalks

Learn more about our recycled plastic products,
visit us at www.plaswood.eco or call us on **+44 (0) 333 202 6800**