

Technical Data Sheet

Profile	Standard mm	Standard Length m	Weight kg/m
Majestic (Solid)	22 x 172	2.2	5.2
Property	Method		Typical Value
Density (g/cc)	ASTM D792		1.35
Screw Withdrawal Force (N)	ASTM D1721-20		6012
Shear Strength (N)	ASTM D143		7482
Flexural Strength (N/mm ²)	ASTM D198:2015		50.7
Modulus of Rupture (N/mm ²)	ASTM D4761-19		45.3
Modulus of Elasticity (N/mm ²)	ASTM D4761-19		5342
Water Absorption (24h), %	ASTM D570-98		< 1
Swelling, thickness (24h), %	ASTM D570-98		< 1
Coefficient of Thermal Expansion (mm/mm°C)	ASTM D1037-12		1.05 x 10 ⁻⁵
Moisture Absorption (%)	ASTM D1037-12		0.15
Moisture Resistance (Boil Test)	EN 1087-1:1995		7509
Slip Resistance (Grooved Side)	BS 7976-2:2002		Dry: 60, Wet: 35
Slip Resistance (Wood-Grain Side)	BS 7976-2:2002		Dry: 75, Wet: 55
Thermal Conductivity	BS EN 12667		7.66
Tensile Strength	ISO 527		32.11
Tensile Modulus	ISO 527		8074

(1) The data listed above was taken from accredited third party independent laboratory test reports. The data shown is for unexposed product in laboratory conditions. Actual results may vary due to actual environmental conditions including temperature, UV exposure, time, etc.

(2) Values reported are mean ultimate values for comparison only.