

Technical Data Sheet

Richlite Solid Paper Composite

Properties	Standard	Unit	Typical Results 6mm
Flexural Strength	EN ISO 178	MPa	150.5
Flexural Modulus	EN ISO 178	MPa	11079
Tensile Strength	EN ISO 527	MPa	115.0
Tensile Modulus	EN ISO 527	MPa	10150
Thermal Expansion	EN 438-2 modified clause 17	mm/mm°C	0.0013
Dimensional Stability	EN 438-2 clause 17	%	0.11%
Formaldehyde	EN 120	mg/100g	0.000107
Impact Resistance 2100mm drop height	EN 438-2 clause 21	Diameter	4.75
Water Resistance Appearance	EN 438-2 clause 15	Rating	5
Density	EN 323	g/cm3	1.25

Properties	Standard	Unit	Typical Results 12mm
Flexural Strength	EN ISO 178	MPa	163.5
Flexural Modulus	EN ISO 178	MPa	11693
Tensile Strength	EN ISO 527	MPa	138.5
Tensile Modulus	EN ISO 527	MPa	10903
Thermal Expansion	EN 438-2 modified clause 17	mm/mm°C	0.0018
Dimensional Stability	EN 438-2 clause 17	%	0.12%
Formaldehyde	EN 120	mg/100g	0.000107
Impact Resistance 2100mm drop height	EN 438-2 clause 21	Diameter	6.08
Water Resistance Moisture Absorbed	EN 438-2 clause 15	%	4.11%
Water Resistance Appearance	EN 438-2 clause 15	Rating	5
Density	EN 323	g/cm3	1.26