

6mm Panel A Results Summary

Table 3 Results Summary

Property	Units	Test Method	Result
Flexural Strength	MPa	BS EN ISO 178:2019	10.8
Flexural Modulus	GPa	BS EN ISO 178:2019	0.465
Water Absorption	mg	BS EN ISO 62:2008 Method 1	14
Tensile Strength	MPa	BS EN ISO 527-4:2021	10.8
Tensile Modulus	GPa	BS EN ISO 527-4:2021	0.447
Elongation at Maximum Stress	%	BS EN ISO 527-4:2021	15.4
Compressive Stress	MPa	BS EN ISO 604:2003	29.4
Compressive Stress @ slope change	MPa	BS EN ISO 604:2003	13.1
Compressive Modulus	GPa	BS EN ISO 604:2003	0.481
Density Determination	g/cm ³	ASTM D792-13	1.036
Coefficient of Thermal Expansion	10 ⁻⁶ K ⁻¹	BS ISO 11359-2:1999	153.23