



COMPOSITES

BM-5

Mechanical Properties

Property	Value	Units	Standard
Colour	Black	-	Visual
Hardness	84	Shore D	according to ISO 868: 2003
Density	1.29	g/cm ³	according to BS EN ISO 1183-1: 2012, Method A
Flexural Strength	273	MPa	according to EN ISO 178: 2003
Flexural Modulus	16.6	GPa	according to EN ISO 178: 2003
Tensile Strength	178	MPa	according to ISO 527-4: 1997
Compressive Strength	124	MPa	according to EN 2850: 1997
Compressive Modulus	13.5	GPa	according to EN 2850: 1997
Coefficient of Thermal Expansion	2.85	E-06m/m/°C	according to ASTM 831 (2) using Thermal Mechanical Analysis
Maximum air temperature stipulated	180 / 356	°C / °F	

The full 2019 Intertek and 2020 CTL reports containing these mean test results are available upon request