

CF-PPA Pellet Technical Data Sheet(TDS)

MECHANICAL PROPERTIES		
At 23°C / 50% rh		
Property	Method	Value
Tensile Strength, Dry,@50mm/min	ISO 527,ISO 3167 A	230MPa
Elongation (At Fmax), Dry,@50mm/min	ISO 527,ISO 3167 A	2%
Tensile Modulus, Dry,@1mm/min	ISO 527,ISO 3167 A	14000MPa
Flexural Strength, Dry,@10mm/min	ISO 178,ISO 3167 A	310MPa
Flexural Elongation (At Fmax), Dry,@10mm/min	ISO 178,ISO 3167 A	2.9%
Flexural Modulus, Dry,@2mm/min	ISO 178,ISO 3167 A	13000MPa
Charpy Impact Strength, Dry	ISO 179 1eU,80x10x4 mm	45kJ/m ²
Charpy Impact Strength Notched, Dry	ISO 179 1eA,80x10x4 mm	6kJ/m ²

THERMAL PROPERTIES		
Property	Method	Value
Heat Deflection Temperature, HDT A	ISO 75,80x10x4 mm	220°C
Service Temperature, 20h	IEC 60216,ISO 3167 A	120°C

ELECTRICAL PROPERTIES		
Property	Method	Value
Surface Resistance, R_{OB}	DIN EN 62631-3-2,Ronde 60x4 mm	<10 ³ Ω

OTHER PROPERTIES

Property	Method	Value
Density	ISO 1183-3	1.22g/cm ³
Water Absorption, 23°C/24h	ISO 62,ISO 3167 A	0.1%
Mould Shrinkage (Transverse)	ISO 294,⊥ 60x60x2 mm	0.2%
Mould Shrinkage (Parallel)	ISO 294,∥ 60x60x2 mm	0.05%

Updated on March 31, 2025