

DYNAMIDE® CF

Carbon Fiber Reinforced Polyamide



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Mechanical Properties

Property	Test Method	X-Y Axis	Z Axis
Tensile Strength	ASTM D638	105 MPa	66 MPa
Young's Modulus	ASTM D638	7500 MPa	4290 MPa
Flexural Strength	ASTM D790	165 MPa	
Flexural Modulus	ASTM D790	8300 MPa	
Charpy Impact Strength	ASTM D256	12.5 (KJ/m ²)	
Tensile Elongation at Break (%)	ASTM D638	3	3

Physical Properties

Property	Test Method	Value
Melting Temperature	DSC, 10 °C/min	219 °C
Crystallization Temperature	DSC, 10 °C/min	185 °C
Heat Deflection Temperature	ISO 75 1.8 MPa	195 °C
Heat Deflection Temperature	ISO 75 0.45 MPa	214 °C
Glass Transition Temperature	DSC, 10 °C/min	55 °C
Density	ASTM D792	1.17 (g/cm ³)

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