

IDI Composites M-102 Thermoset Polyester, Molding

Category : Polymer , Thermoset , Polyester , TS , Thermoset Polyester Glass Filled BMC

Material Notes:

Mechanical grade materials in a range of strengths with excellent moldability and molded part appearance. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_IDI-Composites-M-102-Thermoset-Polyester-Molding.php

Physical Properties	Metric	English	Comments
Density	1.89 g/cc	0.0683 lb/in ³	
Water Absorption	0.090 %	0.090 %	in 24 hours; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	48.0 MPa	6960 psi	ASTM D638
Flexural Strength	83.0 MPa	12000 psi	ASTM D790
Flexural Modulus	9.00 GPa	1310 ksi	ASTM D790
Compressive Strength	152 MPa	22000 psi	ASTM D695
Izod Impact, Notched	1.90 J/cm	3.56 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	232 Â°C	450 Â°F	ASTM D648
Flammability, UL94	V-2 @Thickness 3.20 mm	V-2 @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	12.6 kV/mm	320 kV/in	ASTM D149

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