

IDI Composites M-106 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-106-Thermoset-Polyester-Molding.php

Physical Properties	Metric	English	Comments
Density	1.78 g/cc	0.0643 lb/in ³	
Water Absorption	0.12 %	0.12 %	in 24 hours; ASTM D570
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	97.0 MPa	14100 psi	ASTM D638
Flexural Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	13.0 GPa	1890 ksi	ASTM D790
Compressive Strength	193 MPa	28000 psi	ASTM D695
Izod Impact, Notched	6.30 J/cm	11.8 ft-lb/in	ASTM D256

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	10.2 kV/mm	259 kV/in	ASTM D149

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