

IDI Composites 44-10 HGM Thermoset Polyester, Molding

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

Material Notes:

Same as 44-10 HG with Mil Spec MAI-60.Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_IDI-Composites-44-10-HGM-Thermoset-Polyester-Molding.php

Physical Properties	Metric	English	Comments
Density	1.83 g/cc	0.0661 lb/in ³	
Water Absorption	0.24 %	0.24 %	in 24 hours; ASTM D570
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	69.0 MPa	10000 psi	ASTM D638
Flexural Strength	145 MPa	21000 psi	ASTM D790
Compressive Strength	155 MPa	22500 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)	>= 260 Â°C	>= 500 Â°F	ASTM D648
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.8 kV/mm	300 kV/in	ASTM D149
Arc Resistance	>= 180 sec	>= 180 sec	ASTM D495

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