

IDI Composites 46-3 Thermoset Polyester, Molding

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

Material Notes:

Superior electrical performance with low pressure molding for V-0 flammability in encapsulation applications. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_IDI-Composites-46-3-Thermoset-Polyester-Molding.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	
Water Absorption	0.15 %	0.15 %	in 24 hours; ASTM D570
Linear Mold Shrinkage	0.00040 - 0.0020 cm/cm	0.00040 - 0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	20 - 30	20 - 30	ASTM D2583
Tensile Strength, Ultimate	24.0 MPa	3480 psi	ASTM D638
Flexural Strength	62.0 MPa	8990 psi	ASTM D790
Compressive Strength	90.0 MPa	13100 psi	ASTM D695
Izod Impact, Notched	1.10 J/cm	2.06 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 204 Â°C	>= 399 Â°F	ASTM D648
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Arc Resistance	>= 180 sec	>= 180 sec	ASTM D495

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