

IDI Composites 44- 10 MW Thermoset Polyester, Molding

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

Material Notes:

Moderate strength material specifically formulated for microwave oven performance.Data provided by the manufacturer.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in ³	
Water Absorption	0.070 %	0.070 %	in 24 hours; ASTM D570
Linear Mold Shrinkage	0.00050 - 0.0015 cm/cm	0.00050 - 0.0015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	25 - 35	25 - 35	ASTM D2583
Tensile Strength, Ultimate	38.0 MPa	5510 psi	ASTM D638
Flexural Strength	97.0 MPa	14100 psi	ASTM D790
Compressive Strength	131 MPa	19000 psi	ASTM D695
Izod Impact, Notched	2.90 J/cm	5.43 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	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

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