

IDI Composites W-103 Thermoset Polyester, Molding

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

Material Notes:

Premium appearance grade materials in a range of strengths for cookware and appliance applications. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_IDI-Composites-W-103-Thermoset-Polyester-Molding.php

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in ³	
Water Absorption	0.060 %	0.060 %	in 24 hours; ASTM D570
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	30 - 40	30 - 40	ASTM D2583
Tensile Strength, Ultimate	59.0 MPa	8560 psi	ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Compressive Strength	172 MPa	24900 psi	ASTM D695
Izod Impact, Notched	4.40 J/cm	8.24 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	

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.8 kV/mm	300 kV/in	ASTM D149

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