

## IDI Composites 46-09 Thermoset Polyester, Molding

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

**Material Notes:**

Abrasion resistant, electrical grade material with V-0 flame resistance and moderate strength.Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_IDI-Composites-46-09-Thermoset-Polyester-Molding.php](http://www.lookpolymers.com/polymer_IDI-Composites-46-09-Thermoset-Polyester-Molding.php)

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in <sup>3</sup>	
Water Absorption	0.15 %	0.15 %	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
Hardness, Barcol	10 - 20	10 - 20	ASTM D2583
Tensile Strength, Ultimate	21.0 MPa	3050 psi	ASTM D638
Flexural Strength	72.0 MPa	10400 psi	ASTM D790
Compressive Strength	110 MPa	16000 psi	ASTM D695
Izod Impact, Notched	1.70 J/cm	3.18 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
Dielectric Strength	12.2 kV/mm	310 kV/in	ASTM D149
Arc Resistance	>= 180 sec	>= 180 sec	ASTM D495

## Contact Songhan Plastic Technology Co.,Ltd.

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