

## IDI Composites 46-16 Thermoset Polyester, Molding

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

### Material Notes:

Premium high strength electrical grade with excellent resistance to smoke generation, weathering, and corrosive environments. Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_IDI-Composites-46-16-Thermoset-Polyester-Molding.php](http://www.lookpolymers.com/polymer_IDI-Composites-46-16-Thermoset-Polyester-Molding.php)

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in <sup>3</sup>	
Water Absorption	0.15 %	0.15 %	in 24 hours; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	45 - 55	45 - 55	ASTM D2583
Tensile Strength, Ultimate	55.0 MPa	7980 psi	ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Compressive Strength	179 MPa	26000 psi	ASTM D695
Izod Impact, Notched	8.90 J/cm	16.7 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

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.4 kV/mm	290 kV/in	ASTM D149
Arc Resistance	187 sec	187 sec	ASTM D495

## Contact Songhan Plastic Technology Co.,Ltd.

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