

## IDI Composites 46-12 Thermoset Polyester, Molding

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

**Material Notes:**

Highest strength electrical grade with good track resistance and V-0 flame resistance.Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_IDI-Composites-46-12-Thermoset-Polyester-Molding.php](http://www.lookpolymers.com/polymer_IDI-Composites-46-12-Thermoset-Polyester-Molding.php)

Physical Properties	Metric	English	Comments
Density	1.78 g/cc	0.0643 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	35 - 45	35 - 45	ASTM D2583
Tensile Strength, Ultimate	55.0 MPa	7980 psi	ASTM D638
Flexural Strength	141 MPa	20500 psi	ASTM D790
Compressive Strength	159 MPa	23100 psi	ASTM D695
Izod Impact, Notched	NB	NB	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	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.8 kV/mm	300 kV/in	ASTM D149
Arc Resistance	>= 180 sec	>= 180 sec	ASTM D495

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China