

IDI Composites 46-16-60 Thermoset Polyester, Sheet

Category : Polymer , Thermoset , Composite SMC , Polyester, TS , Thermoset Polyester Glass SMC

Material Notes:

TRANSIT - A premium molding compound with excellent resistance to flame and smoke generation, high impact strength, and weatherability. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_IDI-Composites-46-16-60-Thermoset-Polyester-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	
Water Absorption	0.15 %	0.15 %	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	49 - 55	49 - 55	ASTM D2583
Tensile Strength, Ultimate	131 MPa	19000 psi	ASTM D638
Flexural Strength	207 MPa	30000 psi	ASTM D790
Flexural Modulus	13.0 GPa	1890 ksi	ASTM D790
Compressive Strength	234 MPa	33900 psi	ASTM D695
Izod Impact, Notched	15.9 J/cm	29.8 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 260 Å°C	>= 500 Å°F	ASTM D648
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	8.70 kV/mm	221 kV/in	ASTM D149
Arc Resistance	185 sec	185 sec	ASTM D495

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