

IDI Composites M-209 Thermoset Polyester, Sheet

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

Material Notes:

MECHANICAL - Versatile family of compounds designed to meet a variety of mechanical, electro-mechanical, and corrosion applications. Outstanding structural properties at lowest possible costs. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_IDI-Composites-M-209-Thermoset-Polyester-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 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	45 - 55	45 - 55	ASTM D2583
Tensile Strength, Ultimate	131 MPa	19000 psi	ASTM D638
Flexural Strength	262 MPa	38000 psi	ASTM D790
Flexural Modulus	14.0 GPa	2030 ksi	ASTM D790
Compressive Strength	248 MPa	36000 psi	ASTM D695
Izod Impact, Notched	14.6 J/cm	27.4 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

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