

IDI Composites C-206 Thermoset Polyester, Sheet

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

Material Notes:

CORROSION - (Patent pending). Versatile family of compounds designed for pressurized and thermo-mechanically stressed applications. Excellent corrosion resistance and high strength. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_IDI-Composites-C-206-Thermoset-Polyester-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	
Water Absorption	0.090 %	0.090 %	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	40 - 50	40 - 50	ASTM D2583
Tensile Strength, Ultimate	97.0 MPa	14100 psi	ASTM D638
Flexural Strength	228 MPa	33100 psi	ASTM D790
Flexural Modulus	14.0 GPa	2030 ksi	ASTM D790
Compressive Strength	207 MPa	30000 psi	ASTM D695
Izod Impact, Notched	12.7 J/cm	23.8 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	15.4 kV/mm	391 kV/in	ASTM D149

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