

IDI Composites C-210 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-210-Thermoset-Polyester-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	
Water Absorption	0.10 %	0.10 %	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	152 MPa	22000 psi	ASTM D638
Flexural Strength	255 MPa	37000 psi	ASTM D790
Flexural Modulus	14.0 GPa	2030 ksi	ASTM D790
Compressive Strength	234 MPa	33900 psi	ASTM D695
Izod Impact, Notched	19.0 J/cm	35.6 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	13.8 kV/mm	351 kV/in	ASTM D149

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