

## IDI Composites C-204 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-204-Thermoset-Polyester-Sheet.php](http://www.lookpolymers.com/polymer_IDI-Composites-C-204-Thermoset-Polyester-Sheet.php)

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in <sup>3</sup>	
Water Absorption	0.080 %	0.080 %	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	69.0 MPa	10000 psi	ASTM D638
Flexural Strength	179 MPa	26000 psi	ASTM D790
Flexural Modulus	13.0 GPa	1890 ksi	ASTM D790
Compressive Strength	186 MPa	27000 psi	ASTM D695
Izod Impact, Notched	7.60 J/cm	14.2 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	16.9 kV/mm	429 kV/in	ASTM D149

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