

Premix Premi-Glas® 1200-24 Polyester SMC (discontinued **)

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

Material Notes:

Premi-Glas® 1200-24 is a 24% fiberglass-reinforced, thermoset, sheet molding compound designed for Class A Heavy Truck - Bus body panels and Marine cowls parts where smooth, flat, ripple free surfaces are required. Key features and benefits are: In mold and powder coating capable. Low moisture absorption properties. Accepts standard automotive primers and paints. Excellent flexural strength and flexural modulus properties. Unidirectional fiber distribution for increased impact properties. Standard colors – natural and gray. Designed for compression molding in matched metal molds. Flows easily in deep draw, 0 degree draft molds. Data provided by Premix.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Premix-Premi-Glas-1200-24-Polyester-SMC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.75 - 1.85 g/cc	0.0632 - 0.0668 lb/in ³	ASTM D792
Water Absorption	0.488 %	0.488 %	
Linear Mold Shrinkage	0.00 - 0.0010 cm/cm	0.00 - 0.0010 in/in	Ambient part /mold

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	58.6 - 72.4 MPa	8500 - 10500 psi	ASTM D638
Elongation at Break	1.4 - 1.8 %	1.4 - 1.8 %	ASTM D638
Modulus of Elasticity	8.27 - 11.0 GPa	1200 - 1600 ksi	ASTM D638
Flexural Yield Strength	131 - 165 MPa	19000 - 24000 psi	ASTM D790
Flexural Modulus	8.27 - 9.65 GPa	1200 - 1400 ksi	ASTM D790
Izod Impact, Notched	5.34 - 8.01 J/cm	10.0 - 15.0 ft-lb/in	ASTM D256
Izod Impact, Unnotched	8.01 - 10.7 J/cm	15.0 - 20.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	FBMV 302

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