

Premix Premi-Glas® 1200-28 Polyester SMC (discontinued **)

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

Material Notes:

Premi-Glas® 1200-28 series is a low profile, 28 % glass reinforced polyester Sheet Molding Compound designed for recreational vehicle body panels applications that require excellent flexibility and impact strength. Key features and benefits are: In-mold and powder coating capable, accepts standard automotive primers and top coats. Molded panels have increased resiliency for improved impact properties. Pigmentable system provides uniform base colors for exterior and interior applications. Molds in deep draw, 0 shrink production tooling. Class A surface with exceptionally low process times in compression molding. Standard glass content is 28 %. Data provided by Premix.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Premix-Premi-Glas-1200-28-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	0.20 - 0.30 %	0.20 - 0.30 %	ASTM D570
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	55.2 - 68.9 MPa	8000 - 10000 psi	ASTM D638
Elongation at Break	1.2 - 1.4 %	1.2 - 1.4 %	ASTM D638
Modulus of Elasticity	8.96 - 10.3 GPa	1300 - 1500 ksi	ASTM D638
Flexural Yield Strength	138 - 179 MPa	20000 - 26000 psi	ASTM D790
Flexural Modulus	8.27 - 9.65 GPa	1200 - 1400 ksi	ASTM D790
Izod Impact, Notched	6.94 - 9.61 J/cm	13.0 - 18.0 ft-lb/in	ASTM D256
Izod Impact, Unnotched	9.61 - 12.3 J/cm	18.0 - 23.0 ft-lb/in	ASTM D4812

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

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