

Premix Premi-Glas® 1201-10 Polyester SMC (discontinued **)

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

Material Notes:

Premi-Glas® 1201-10 is a 10% glass reinforced thermoset Sheet Molding Compound designed for sinks, shower stall bases and wall applications. Key features and benefits are: Supports ANSI 124.2 and CSA B45.5 requirements for flame, smoke and stain resistance. Available in glass contents ranging from 10% - 20%; standard product has 15% reinforcement. High gloss, non-rippling surface appearance on large flat surfaces and deep draw side walls. Excellent as-molded dimensional tolerances. Outstanding moldability and flow in compression process. Standard color is white. Passes ANSI 124.2/ CSA B,45.5 stain resistance Data provided by Premix.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Premix-Premi-Glas-1201-10-Polyester-SMC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.65 - 1.75 g/cc	0.0596 - 0.0632 lb/in ³	ASTM D792
Water Absorption	0.10 - 0.30 %	0.10 - 0.30 %	ASTM D570
Linear Mold Shrinkage	0.00 - 0.0020 cm/cm	0.00 - 0.0020 in/in	Ambient part /mold

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	24.1 - 34.5 MPa	3500 - 5000 psi	ASTM D638
Modulus of Elasticity	7.58 - 8.96 GPa	1100 - 1300 ksi	ASTM D638
Flexural Yield Strength	62.1 - 82.7 MPa	9000 - 12000 psi	ASTM D790
Flexural Modulus	6.89 - 8.96 GPa	1000 - 1300 ksi	ASTM D790
Izod Impact, Notched	2.14 - 3.20 J/cm	4.00 - 6.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	3.20 - 4.27 J/cm	6.00 - 8.00 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 204 °C	>= 400 °F	ASTM D648

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