

## Premix Premi-Glas® 2200-22 Fiberglass Reinforced SMC (discontinued \*\*)

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass SMC

### Material Notes:

Description: Premi-Glas® 2200-22 is a fiberglass reinforced thermoset Sheet Molding Compound similar to the Premi-Glas® 2200-22 CR-SX product. Unlike the -CR-SX version, this product carries no UL recognition. Key features and benefits: Level of flame retardance may vary by specific formula to meet customer needs Greater formulating latitude to meet special molding characteristics or end properties Not subject to any Underwriters Laboratories testing or follow-up Market: Electrical/Flame Retardant Information provided by Premix.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Premix-Premi-Glas-2200-22-Fiberglass-Reinforced-SMC-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Premix-Premi-Glas-2200-22-Fiberglass-Reinforced-SMC-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage	0.0015 cm/cm	0.0015 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.2 MPa	8000 psi	ASTM D638
Tensile Modulus	10.3 GPa	1500 ksi	tangent; ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790-1
Flexural Modulus	8.96 GPa	1300 ksi	Tangent; ASTM D790-1
Poissons Ratio	0.30	0.30	ISO 527
Izod Impact, Notched	6.94 J/cm	13.0 ft-lb/in	ASTM D256
Izod Impact, Unnotched	9.08 J/cm	17.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
CTE, linear	36.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	20.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	Z-direction; ASTM D696
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	
CTE, linear, Transverse to Flow	27.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	15.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	XY-direction; ASTM D696
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	
Specific Heat Capacity	1.51 J/g $^\circ\text{C}$	0.360 BTU/lb $^\circ\text{F}$	ASTM D1269E
Thermal Conductivity	0.300 W/m-K	2.08 BTU-in/hr-ft $^2\cdot^\circ\text{F}$	ASTM D1269E

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.0 kV/mm	380 kV/in	ASTM D149
Comparative Tracking Index	600 V	600 V	ASTM D2303

Electrical Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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