

Premix Premi-Glas® 2207-22 CR-SX Fiberglass Reinforced Thermoset SMC

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset

Material Notes:

Premi-Glas® 2207-22 CR-SX is a fiberglass reinforced thermoset sheet molding compound for electrical, flame retardant and HVAC applications. Key features and benefits are: Non-Halogen FR technology for regulatory compliance; Pigmentable for molded-in color; best appearance with mold texture; Recognized by Underwriter's Laboratory, File # E42524; Designed for compression molding in matched metal die molds. Information provided by Premix.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Premix-Premi-Glas-2207-22-CR-SX-Fiberglass-Reinforced-Thermoset-SMC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.85 - 1.90 g/cc	1.85 - 1.90 g/cc	
Linear Mold Shrinkage	0.0010 - 0.0025 cm/cm	0.0010 - 0.0025 in/in	Polymerization Shrinkage

Mechanical Properties	Metric	English	Comments
Tensile Strength	70.0 MPa	10200 psi	ASTM D638
Tensile Modulus	14.0 GPa	2030 ksi	ASTM D638
Flexural Strength	210 MPa	30500 psi	ASTM D790
Flexural Modulus	12.0 GPa	1740 ksi	ASTM D790
Izod Impact, Notched	8.50 J/cm	15.9 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
UL RTI, Electrical	130 °C	266 °F	UL 746C
UL RTI, Mechanical with Impact	130 °C	266 °F	UL 746C
UL RTI, Mechanical without Impact	130 °C	266 °F	UL 746C
Flammability, UL94	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	5VB	5VB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	16.0 kV/mm	406 kV/in	ASTM D149
Arc Resistance	>= 180 sec	>= 180 sec	ASTM D495

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	150 °C	302 °F	Compression Molding
Clamp Pressure	3.45 - 6.89 MPa	500 - 1000 psi	Molding Pressure

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China