

Premi-Glas® 2207-22 CR-SX

Thermoset, Unspecified

Premix, Inc.

Message:

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:

Non-Halogen FR technology for regulatory compliance.

Pigmentable for molded-in color; best appearance with mold texture.

UL 94-5VA flame resistance at 1.5mm minimum thickness.

Recognized by Underwriters Laboratories, File # E42524.

This SMC product is generally intended to be compression molded in matched metal die molds, typically at 300°F (150°C) and 500 to 1000 psi (35-65 BAR) molding pressure. Strength values may be affected by the molding process. Nominal values for polymerization shrinkage (0.001 to 0.0025 in/in) and specific gravity (1.85 to 1.90) may be customized for individual applications. Contact your Premix sales representative for specific design recommendations.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	Flame retardancy		
Features	Good coloring		
	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
UL File Number	E42524		
Forms	SMC-Sheet Molding Compound		
Processing Method	Compression molding		
Physical	Nominal Value	Unit	
Specific Gravity	1.85 - 1.90	g/cm ³	
Molding Shrinkage - Flow	0.10 - 0.25	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13800	MPa	ASTM D638
Tensile Strength	68.9	MPa	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Flexural Strength	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
RTI Elec	130	°C	UL 746
RTI Imp	130	°C	UL 746
RTI	130	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	16	kV/mm	ASTM D149
Arc Resistance	> 180	sec	ASTM D495

Comparative Tracking Index	600	V	ASTM D2303
Flammability	Nominal Value	Unit	Test Method
	V-0		

Flame Rating (1.52 mm)	5VA	UL 94
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Recommended distributors for this material

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