

Premi-Glas® 2207-20 CR-SX

Thermoset, Unspecified

Premix, Inc.

Message:

Premi-Glas® 2207-20 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		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Colorability		
	Halogen Free		
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 to 1.90	g/cm ³	
Molding Shrinkage - Flow	0.10 to 0.25	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12100	MPa	ASTM D638
Tensile Strength	65.5	MPa	ASTM D638
Flexural Modulus	10000	MPa	ASTM D790
Flexural Strength	190	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
RTI Elec	130	°C	UL 746
RTI Imp	130	°C	UL 746
RTI Str	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
Injection	Nominal Value	Unit	
Mold Temperature	150	°C	
Injection Pressure	3.50 to 6.50	MPa	

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