

Premi-Glas® 2200-15 CR-SX

Thermoset, Unspecified

Premix, Inc.

Message:

Premi-Glas® 2200-15 CR-SX is a fiberglass reinforced thermoset sheet molding compound for electrical, flame retardant, and HVAC applications.

Key Features and Benefits:

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

Good dimensional stability, including excellent thermal resistance.

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

Subject to UL746C for consideration in exterior applications involving UV exposure and water immersion. File E42524.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Good dimensional stability		
	Good corrosion resistance		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
UL File Number	E42524		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70 - 1.85	g/cm ³	
Molding Shrinkage - Flow	0.15 - 0.35	%	
Shrinkage	0.15	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	8960	MPa	ASTM D638
Tensile Strength (Compression Molded)	31.0	MPa	ASTM D638
Flexural Modulus (Compression Molded)	8270	MPa	ASTM D790
Flexural Strength (Compression Molded)	100	MPa	ASTM D790
Poisson's Ratio	0.30		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	510	J/m	ASTM D256
Unnotched Izod Impact (Compression Molded)	690	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Linear thermal expansion coefficient			
Flow ¹	2.5E-5	cm/cm/°C	
Lateral ²	3.5E-5	cm/cm/°C	
Thermal Conductivity	0.30	W/m/K	
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	15	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 (1.50 mm)	5V		UL 94
Injection	Nominal Value	Unit	
Mold Temperature	149	°C	
Injection Pressure	3.45 - 6.89	MPa	
NOTE			
1.	XY Direction		
2.	Z Direction		

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