

Premi-Glas® 2206-25 CR-SX

Thermoset, Unspecified

Premix, Inc.

Message:

Premi-Glas® 2206-25 CR-SX is a fiberglass reinforced thermoset sheet molding compound for electrical, flame retardant, and HVAC applications.

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
Uses	Electrical/Electronic Applications		
UL File Number	E42524		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75 to 1.85	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.25	%	
Water Absorption (Saturation)	0.20	%	ASTM D570
Outdoor Suitability	f1		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ASTM D638
Tensile Strength	50.0	MPa	ASTM D638
Flexural Modulus	9000	MPa	ASTM D790
Flexural Strength	130	MPa	ASTM D790
Poisson's Ratio	0.30		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	550	J/m	ASTM D256
Unnotched Izod Impact	700	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 250	°C	ASTM D648
CLTE			
Flow ¹	1.5E-5	cm/cm/°C	
Transverse ²	2.0E-5	cm/cm/°C	
Thermal Conductivity	0.36	W/m/K	
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	18	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 (2.30 mm)	5VA		UL 94
Injection	Nominal Value	Unit	
Mold Temperature	150	°C	
Injection Pressure	3.50 to 6.50	MPa	

NOTE			
1.	XY Direction		
2.	Z Direction		

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