

# Premi-Glas® 2206-15 CR-SX

Thermoset, Unspecified

Premix, Inc.

## Message:

Premi-Glas® 2206-15 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 2.3mm minimum thickness.

Suitable for outdoor use in applications involving UV exposure and water immersion in accordance with UL746C (f1). 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 (0.0015 to 0.0025 in/in) and specific gravity (1.75 to 1.85) 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		
	Good UV Resistance		
	Halogen Free		
Uses	Electrical/Electronic Applications		
	Outdoor Applications		
UL File Number	E42524		
Forms	SMC - Sheet Molding Compound		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75 to 1.85	g/cm <sup>3</sup>	
Molding Shrinkage - Flow	0.15 to 0.25	%	
Outdoor Suitability	f1		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8960	MPa	ASTM D638
Tensile Strength	31.0	MPa	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Poisson's Ratio	0.30		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	450	J/m	ASTM D256
Unnotched Izod Impact	590	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

CLTE			
Flow	2.7E-5	cm/cm/°C	
Transverse	3.6E-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 (2.31 mm) 5VA UL 94

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#### Recommended distributors for this material

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