

# Premi-Glas® 2550®B-CR-SX

Thermoset, Unspecified

Premix, Inc.

## Message:

Premi-Glas 2550®B-CR-SX is an advanced fiberglass reinforced thermoset sheet molding compound for electrical, flame retardant, and HVAC applications where stringent flame spread and smoke generation criteria are required.

Non-Halogen FR technology for regulatory compliance.

Meets Steiner Tunnel < 25 Flame Spread Index and < 50 Smoke Index.

Required in some instances where >10 square ft of composite is present.

Suitable for outdoor use in applications involving UV exposure and water immersion in accordance with UL746C (f1). File E42524.

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	2.00	g/cm <sup>3</sup>	
Molding Shrinkage - Flow	0.025 to 0.15	%	
Outdoor Suitability	f1		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	13100	MPa	ASTM D638
Tensile Strength (Compression Molded)	68.9	MPa	ASTM D638
Flexural Modulus (Compression Molded)	9510	MPa	ASTM D790
Flexural Strength (Compression Molded)	165	MPa	ASTM D790
Poisson's Ratio	0.21		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	690	J/m	ASTM D256
Unnotched Izod Impact (Compression Molded)	990	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
CLTE			
Flow <sup>1</sup>	2.3E-5	cm/cm/°C	
Transverse <sup>2</sup>	3.5E-5	cm/cm/°C	
Thermal Conductivity	1.3	W/m/K	
RTI Elec	105	°C	UL 746
RTI Imp	130	°C	UL 746

RTI Str	130	°C	UL 746
Flammability	Nominal Value	Test Method	
	V-0		
Flame Rating (1.52 mm)	5VA	UL 94	
Flame Spread Index <sup>3</sup>	5.00	UL 723	
Smoke Developed Index <sup>4</sup>	20.0 to 50.0	UL 723	
Injection	Nominal Value	Unit	
Mold Temperature	149	°C	
Injection Pressure	3.45 to 6.89	MPa	
NOTE			
1.	XY Direction		
2.	Z Direction		
3.	Steiner Tunnel		
4.	Steiner Tunnel		

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#### Recommended distributors for this material

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