

# Premi-Glas® 3405

Thermoset, Unspecified

Premix, Inc.

## Message:

Premi-Glas® 3405 is a fiberglass reinforced thermoset sheet molding compound for electrical and flame retardant applications.  
Good dimensional stability, including excellent thermal resistance.  
Pigmentable for molded-in color; best appearance with mold texture.  
Excellent property retention in cold and hot environments.  
Recognized by Underwriters Laboratories, File # E42524.  
Underwriters Laboratories 94-VO flame resistance at 1.5mm thickness.

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Colorability		
	Good Dimensional Stability		
	Medium Heat Resistance		
Uses	Electrical/Electronic Applications		
UL File Number	E42524		
Forms	SMC - Sheet Molding Compound		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	11700	MPa	ASTM D638
Tensile Strength (Compression Molded)	82.7	MPa	ASTM D638
Flexural Modulus (Compression Molded)	8960	MPa	ASTM D790
Flexural Strength (Compression Molded)	190	MPa	ASTM D790
Poisson's Ratio	0.30		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	1000	J/m	ASTM D256
Unnotched Izod Impact (Compression Molded)	1400	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
CLTE			
Flow <sup>1</sup>	2.5E-5	cm/cm/°C	
Transverse <sup>2</sup>	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 Str	130	°C	UL 746
Electrical	Nominal Value	Unit	Test Method

Arc Resistance	> 180	sec	ASTM D495
Comparative Tracking Index	600	V	ASTM D2303
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.52 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Mold Temperature	149	°C	
Injection Pressure	3.45 to 6.89	MPa	
NOTE			
1.	XY direction		
2.	Z direction		

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#### Recommended distributors for this material

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