

# Premi-Glas® 1200H-22

Thermoset, Unspecified

Premix, Inc.

## Message:

Premi-Glas® 1200H-22 is a fiberglass reinforced thermoset sheet molding compound for general purpose applications requiring thermal stability and stiffness.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Dimensional Stability		
	Good Stiffness		
	Good Thermal Stability		
UL File Number	E42524		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70 to 1.85	g/cm <sup>3</sup>	
Molding Shrinkage - Flow	0.15 to 0.30	%	
Outdoor Suitability	f1		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12000	MPa	ASTM D638
Tensile Strength	55.0	MPa	ASTM D638
Flexural Modulus	10000	MPa	ASTM D790
Flexural Strength	135	MPa	ASTM D790
Compressive Strength	165	MPa	ASTM D695
Poisson's Ratio	0.30		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	650	J/m	ASTM D256
Unnotched Izod Impact	850	J/m	ASTM D256
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
Dielectric Strength	15	kV/mm	ASTM D149
Arc Resistance	180	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		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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