

# Premi-Glas® 1200H-20

Thermoset, Unspecified

Premix, Inc.

## Message:

Premi-Glas® 1200H-20 is a fiberglass-reinforced thermoset sheet molding compound for general purpose applications requiring thermal stability and stiffness.

Key Features and Benefits:

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.

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

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Dimensional Stability		
	Good Thermal Stability		
	High Stiffness		
Uses	General Purpose		
	Outdoor Applications		
UL File Number	E42524		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage	0.010	%	ISO 294-4
Outdoor Suitability	f1		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	11700	MPa	ASTM D638
Tensile Strength (Compression Molded)	48.3	MPa	ASTM D638
Flexural Modulus (Compression Molded)	10300	MPa	ASTM D790
Flexural Strength (Compression Molded)	124	MPa	ASTM D790
Compressive Strength <sup>1</sup>	165	MPa	ASTM D695
Poisson's Ratio	0.30		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	530	J/m	ASTM D256
Unnotched Izod Impact (Compression Molded)	800	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
CLTE			
Flow <sup>2</sup>	2.5E-5	cm/cm/°C	
Transverse <sup>3</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 <sup>4</sup>	15	kV/mm	ASTM D149
Arc Resistance <sup>5</sup>	180	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.52 mm)	HB		UL 94
NOTE			
1.	Compression Molded		
2.	XY Direction		
3.	Z Direction		
4.	Compression Molded		
5.	Compression Molded		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

