

Premi-Glas® 1203-30

Thermoset, Unspecified

Premix, Inc.

Message:

Premi-Glas® 1203-30 is a versatile fiberglass reinforced thermoset sheet molding compound for automotive body panel, personal watercraft or structural and semi-structural applications where excellent surface appearance, high strength, and durability are required.

Key Features and Benefits:

- Excellent surface profile for highly visible painted surfaces.
- Low moisture absorption and long term durability.
- Accepts automotive primers and powder in-mold-coatings.
- Excellent flexural strength and outstanding toughness.
- Standard colors are unpigmented or grey. Limited pigmentability.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Durable		
	Good Surface Finish		
	Good Toughness		
	High Strength		
	Low Moisture Absorption		
	Paintable		
Uses	Automotive Applications		
	Marine Applications		
	Structural Parts		
Appearance	Natural Color		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	
Specific Gravity	1.95	g/cm ³	
Molding Shrinkage - Flow	0.025	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	15200	MPa	ASTM D638
Tensile Strength (Compression Molded)	100	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	1.2	%	ASTM D638
Flexural Modulus (Compression Molded)	10300	MPa	ASTM D790
Flexural Strength (Compression Molded)	210	MPa	ASTM D790
Poisson's Ratio	0.30		
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	960	J/m	ASTM D256

Unnotched Izod Impact (Compression Molded)	1500	J/m	ASTM D4812
Thermal	Nominal Value	Unit	
CLTE			
Flow ¹	2.5E-5	cm/cm/°C	
Transverse ²	3.5E-5	cm/cm/°C	
Thermal Conductivity	0.30	W/m/K	
Injection	Nominal Value	Unit	
Mold Temperature	149	°C	
Injection Pressure	3.45 to 6.89	MPa	
NOTE			
1.	XY Direction		
2.	Z Direction		

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

