

# Premi-Glas® 1203-28

Thermoset, Unspecified

Premix, Inc.

## Message:

Premi-Glas® 1203-28 is a versatile fiberglass reinforced thermoset sheet molding compound for automotive body panel, 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		
	Structural Parts		
Appearance	Natural Color		
Forms	SMC - Sheet Molding Compound		
Physical	Nominal Value	Unit	
Specific Gravity	1.92	g/cm <sup>3</sup>	
Molding Shrinkage - Flow	8.0E-3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	13100	MPa	ASTM D638
Tensile Strength (Compression Molded)	86.2	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	0.90	%	ASTM D638
Flexural Modulus (Compression Molded)	13100	MPa	ASTM D790
Flexural Strength (Compression Molded)	241	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 <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
Flammability	Nominal Value	Test Method
Flammability	pass	FMVSS 302
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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