

# Premi-Glas® 1206 LD

## Sheet Molding Compound

### PRODUCT DESCRIPTION

Glass fiber reinforced Polyester SMC suitable for transportation or structural and semi-structural applications where good surface appearance, high strength, and durability are required in a low density composite.

### GENERAL

<b>Material Status</b>	• Commercial: Active		
<b>Availability</b>	• North America	• South America	
<b>Filler/Reinforcement</b>	• Glass Fiber and mineral filler		
<b>Features</b>	• Very good surface profile • Accepts automotive primers and powder in-mold-coatings	• Weight savings	• Outstanding toughness • Excellent flexural strength
<b>Processing Method</b>	• This SMC product is generally intended to be compression molded in matched metal die molds, typically at 300°F (150°C) and 500 to 1,000 psi (35-65 BAR) molding pressure. Strength values may be affected by the molding process.		
<b>Resin</b>	• Unsaturated Polyester Composite		

### PHYSICAL

	Typical	Unit	Test Method
<b>Density</b>	1.50	g/cm <sup>3</sup>	ASTM D792
<b>Mold Shrinkage (RT mold/RT part)</b>	-0.00025	in/in	ASTM D955
<b>Glass %, weight fraction</b>	38%	%	Premix Washout

### MECHANICAL (As cut)

	Typical	Unit	Test Method
<b>Tensile Modulus</b>	1.2 x 10 <sup>6</sup> (8.5)	psi (GPa)	ASTM D638
<b>Tensile Strength</b>	14,500 (100)	psi (MPa)	ASTM D638
<b>Tensile Elongation</b>	1.9%	%	ASTM D638
<b>Flexural Modulus (RT)</b>	1.15 x 10 <sup>6</sup> (8)	psi (GPa)	ASTM D790
<b>Flexural Strength</b>	32,000 (220)	psi (MPa)	ASTM D790

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<b>IMPACT</b>	<b>Typical</b>	<b>Unit</b>	<b>Test Method</b>
Izod Notched Impact Strength	21 (1100)	ft-lb/in (J/m)	ASTM D256
Unnotched Impact Strength	27 (1500)	ft-lb/in (J/m)	ASTM D4812

For additional information, please contact:

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