

Technical Data Sheet

**Premi-glas 1206 LD**

Thermoset, Unspecified
LyondellBasell Industries
Engineering Plastics

Product Description

Premi-Glas® 1206 LD is a fiberglass reinforced thermoset sheet molding compound for transportation or structural and semi-structural applications where good surface appearance, high strength, and durability are required in a low density composite.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 38% Filler by Weight
Features	• Durable • Good Surface Finish • High Strength
Uses	• Structural Parts
Forms	• SMC - Sheet Molding Compound

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.50	1.50 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	1.23E+6 psi	8500 MPa	ASTM D638
Tensile Strength	14500 psi	100 MPa	ASTM D638
Tensile Elongation (Break)	1.9 %	1.9 %	ASTM D638
Flexural Modulus	1.16E+6 psi	8000 MPa	ASTM D790
Flexural Strength	31900 psi	220 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	21 ft·lb/in	1100 J/m	ASTM D256
Unnotched Izod Impact	28 ft·lb/in	1500 J/m	ASTM D4812

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Injection	Nominal Value (English)	Nominal Value (SI)
Mold Temperature	302 °F	150 °C
Injection Pressure	508 to 943 psi	3.50 to 6.50 MPa

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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