

Technical Data Sheet

**Premi-glas 1201-20**

Thermoset, Unspecified
LyondellBasell Industries
Engineering Plastics

Product Description

Premi-Glas® 1201-20 is a fiberglass reinforced thermoset sheet molding compound for sanitary ware applications such as shower bases and surrounds, bathtubs, and vanity tops.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber
Features	• Good Dimensional Stability • High Gloss
Appearance	• Bone • White
Forms	• SMC - Sheet Molding Compound
Processing Method	• Compression Molding

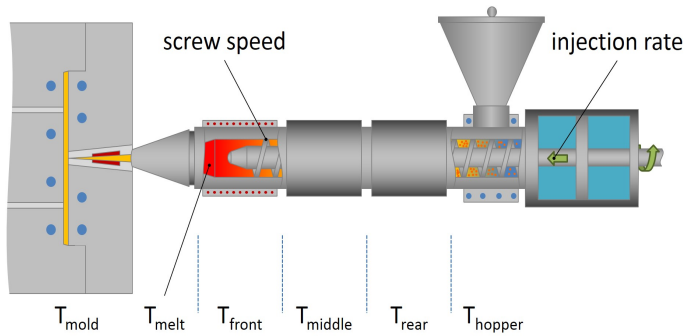
Physical	Nominal Value (English)	Nominal Value (SI)	
Density / Specific Gravity	1.76	1.76 g/cm ³	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	1.45E+6 psi	10000 MPa	ASTM D638
Tensile Strength	6530 psi	45.0 MPa	ASTM D638
Flexural Modulus	1.45E+6 psi	10000 MPa	ASTM D790
Flexural Strength	18600 psi	128 MPa	ASTM D790
Poisson's Ratio	0.30	0.30	
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	9.9 ft·lb/in	530 J/m	ASTM D256
Unnotched Izod Impact	13 ft·lb/in	700 J/m	ASTM D4812
Thermal	Nominal Value (English)	Nominal Value (SI)	
CLTE			
Flow ¹	1.4E-5 in/in/°F	2.5E-5 cm/cm/°C	
Transverse ²	1.9E-5 in/in/°F	3.5E-5 cm/cm/°C	
Thermal Conductivity	2.1 Btu·in/hr/ft ² /°F	0.30 W/m/K	
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Resistance (0.12 in (3.00 mm))	Pass	Pass	ANSI Z124.2
Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Stain Resistance	Pass	Pass	ANSI Z124.2

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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

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Notes

¹ XY Direction

² Z Direction

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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