

Technical Data Sheet



Premi-glas 2208-CR-SX

Thermoset, Unspecified
LyondellBasell Industries
Engineering Plastics

Product Description

Premi-Glas® 2208-CR-SX is a fiberglass reinforced thermoset sheet molding compound for electrical and flame retardant applications.

Good dimensional stability, including excellent thermal resistance.

- Pigmentable for molded-in color; best appearance with mold texture.
- UL Recognized, File # E42524.
- Halogen-free flame retardant technology.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber
Additive	• Flame Retardant
Features	• Flame Retardant • Good Colorability • Good Dimensional Stability • Halogen Free • Medium Heat Resistance
Uses	• Electrical/Electronic Applications
UL File Number	• E42524
Forms	• SMC - Sheet Molding Compound
Processing Method	• Compression Molding

Physical	Nominal Value (English)	Nominal Value (SI)	
Density / Specific Gravity	1.85	1.85 g/cm ³	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (Compression Molded)	1.90E+6 psi	13100 MPa	ASTM D638
Tensile Strength (Compression Molded)	12000 psi	82.7 MPa	ASTM D638
Flexural Modulus (Compression Molded)	1.40E+6 psi	9650 MPa	ASTM D790
Flexural Strength (Compression Molded)	29000 psi	200 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (Compression Molded)	16 ft·lb/in	850 J/m	ASTM D256
Unnotched Izod Impact (Compression Molded)	23 ft·lb/in	1200 J/m	ASTM D4812
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
RTI Elec	266 °F	130 °C	UL 746B
RTI Imp	266 °F	130 °C	UL 746B
RTI Str	266 °F	130 °C	UL 746B
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Dielectric Strength	380 V/mil	15 kV/mm	ASTM D149
Arc Resistance	> 180 sec	> 180 sec	ASTM D495
Comparative Tracking Index	600 V	600 V	ASTM D2303
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 in (1.5 mm))	• V-0 • 5VA	• V-0 • 5VA	UL 94

Technical Data Sheet



Premi-glas 2208-CR-SX

Thermoset, Unspecified
LyondellBasell Industries
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Mold Temperature	300 °F	149 °C
Injection Pressure	500 to 1000 psi	3.45 to 6.89 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/>.

© LyondellBasell Industries Holdings, B.V. 2024

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.