

Technical Data Sheet



Premi-glas 2207-22 CR-SX

Thermoset, Unspecified
LyondellBasell Industries
Engineering Plastics

Product Description

Premi-Glas® 2207-22 CR-SX is a fiberglass reinforced thermoset sheet molding compound for electrical, flame retardant, and HVAC applications.

Key Features and Benefits:

- Non-Halogen FR technology for regulatory compliance.
- Pigmentable for molded-in color; best appearance with mold texture.
- UL 94-5VA flame resistance at 1.5mm minimum thickness.
- Recognized by Underwriters Laboratories, File # E42524.

This SMC product is generally intended to be compression molded in matched metal die molds, typically at 300°F (150°C) and 500 to 1000 psi (35-65 BAR) molding pressure. Strength values may be affected by the molding process. Nominal values for polymerization shrinkage (0.001 to 0.0025 in/in) and specific gravity (1.85 to 1.90) may be customized for individual applications. Contact your A. Schulman sales representative for specific design recommendations.

General

Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber		
Additive	• Flame Retardant		
Features	• Flame Retardant	• Good Colorability	• Halogen Free
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 to 1.90	1.85 to 1.90 g/cm ³	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	2.00E+6 psi	13800 MPa	ASTM D638
Tensile Strength	10000 psi	68.9 MPa	ASTM D638
Flexural Modulus	1.70E+6 psi	11700 MPa	ASTM D790
Flexural Strength	30000 psi	207 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	16 ft.-lb/in	850 J/m	ASTM D256
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	400 V/mil	16 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

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.

Technical Data Sheet

**Premi-glas 2207-22 CR-SX**

Thermoset, Unspecified
LyondellBasell Industries
Engineering Plastics

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.