Technical Data Sheet

LyondellBasell

Premi-glas 2206-22 CR-SX

Thermoset, Unspecified
LyondellBasell Industries
Engineering Plastics

Product Description	
Premi-Glas® 2206-22 CR-SX is a fiberglass reinforced thermoset sheet molding compound for electrical, flame retardant, and HVAC applications.	

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber
Additive	• Flame Retardant
Features	• Flame Retardant • Halogen Free
Uses	• Electrical/Electronic Applications
UL File Number	• E42524
Forms	• SMC - Sheet Molding Compound

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.75 to 1.85	1.75 to 1.85 g/cm³	
Outdoor Suitability	f1	f1	UL 746C
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	1.31E+6 psi	9000 MPa	ASTM D638
Tensile Strength	5800 psi	40.0 MPa	ASTM D638
Flexural Modulus	1.31E+6 psi	9000 MPa	ASTM D790
Flexural Strength	16700 psi	115 MPa	ASTM D790
Poisson's Ratio	0.30	0.30	
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	9.2 ft·lb/in	490 J/m	ASTM D256
Unnotched Izod Impact	12 ft·lb/in	650 J/m	ASTM D4812
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
CLTE			
Flow [1]	8.3E-6 in/in/°F	1.5E-5 cm/cm/°C	
Transverse [2]	1.1E-5 in/in/°F	2.0E-5 cm/cm/°C	
Thermal Conductivity	2.5 Btu·in/hr/ft²/°F	0.36 W/m/K	
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	460 V/mil	18 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 (0.09 in (2.3 mm))	V-0	V-0	UL 94

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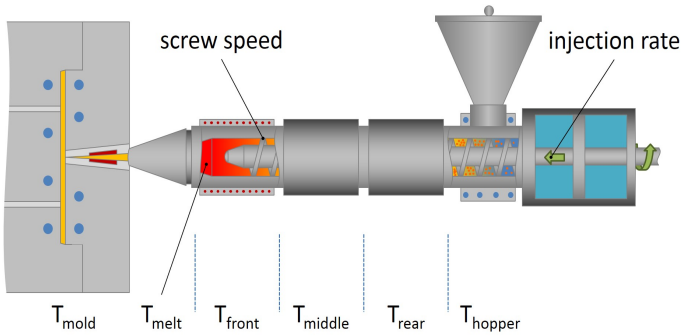

Injection	Nominal Value (English)	Nominal Value (SI)
Mold Temperature	302 °F	150 °C
Injection Pressure	508 to 943 psi	3.50 to 6.50 MPa

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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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