Technical Data Sheet

Premi-Glas 2208 CR-SX

Engineered Composites

Product Description			
Glass Fiber reinforced Polyester SMC suitable for electrical and flame retardant applications.			
General			
Material Status	• Commercial: Active		
Availability	• North America	• South America	
Filler / Reinforcement	• Glass Fiber and Mineral Filler		
Features	• UL Recognized – File E69414 • UL94-V0/5V @1.5mm	• Non-Halogen FR Technology • Pigmentable	• Good dimensional stability
Processing Method	• This SMC product is generally intended to be compression molded in matched metal molds, typically at 300°F (150°C) and 500 to 1,000 psi (35-65 BAR) molding pressure. Strength values may be affected by the molding process.		
Resin	• Unsaturated Polyester		

Physical	Typical	Unit	Test Method
Density	1.85	g/cm^3	ASTM D792
Mold Shrinkage (RT mold/RT part)	0.0002-0.0015	in/in	ASTM D955
Mechanical (As Cut)	**Typical**	**Unit**	**Test Method**
Tensile Modulus	1.9 E+6 (13)	psi (GPa)	ASTM D638
Tensile Strength	12,000 (80)	psi (MPa)	ASTM D638
Flexural Modulus (RT)	1.4 E+6 (10)	psi (GPa)	ASTM D790
Flexural Strength	29,000 (200)	psi (MPa)	ASTM D790
Impact	**Typical**	**Unit**	**Test Method**
Izod Notched Impact Strength	16 (850)	ft-lb/in (J/m)	ASTM D256
Unnotched Impact Strength	23 (1,200)	ft-lb/in (J/m)	ASTM D4812
Thermal	**Typical**	**Unit**	**Test Method**
UL RTI, Electrical	266 (130)	°F (°C)	UL 746C
UL RTI, Mechanical, with Impact	266 (130)	°F (°C)	UL 746C
UL RTI, Mechanical, without Impact	266 (130)	°F (°C)	UL 746C
Flammability	**Typical**	**Unit**	**Test Method**
Flammability	0.0060 (1.50)	in (mm)	UL94 V-0
Flammability	0.0060 (1.50)	in (mm)	UL94 5V
Flammability	**Typical**	**Unit**	**Test Method**
Dielectric Strength	254 (10)	Volts/mil (kV/mm)	ASTM D149
Arc Track Resistance	180+	seconds	ASTM D495
Comparative Tracking Index	600+	volts	ASTM D2303

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.

Company Information

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

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