Technical Data Sheet

Premi-Glas 2000 – Electrical SMC

Engineered Composites

Product Description
Glass Fiber reinforced Polyester BMC suitable for Electrical Industry. This class is a thermoset compound designed for the production of highly technical electrical parts with outstanding resistance at high temperatures, and flame resistance

General			
Material Status	• Commercial: Active		
Availability	• North America • Asia Pacific	• Europe • South America	
Filler / Reinforcement	• Glass Fiber and Mineral Filler		
Features	• Good Dimensional Stability	• High temperature Resistance	• Electrical properties
Processing Method	• This SMC product is generally intended to be a compression molded in matched metal die molds, typically at 320°F (160°C), but the temperature process depend of the formula, tool design and machine. Strength values may be affected by the molding process.		
Resin	• Unsaturated Polyester		

Physical	Typical	Unit	Test Method
Density	1.70-2.00	g/cm^3	ASTM D792
Mold Shrinkage	-0.050-0.300	%	ASTM D955
Water Absorption, 24 hrs. 23°C	Max. 0.8	%	ASTM D570
Mechanical	**Typical**	**Unit**	**Test Method**
Flexural Modulus	Min. 7.0	GPa	ASTM D790
Flexural Strength	Min.100	MPa	ASTM D790
Thermal	**Typical**	**Unit**	**Test Method**
Flammability	HB, VO (Customer Spec.)	Class	UL94
Electrical	**Typical**	**Unit**	**Test Method**
Dielectric Strength	Min.13	kV/mm	ASTM D-149

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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