

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 BMC product is generally intended to be a compression, injection or transfer molded in matched metal die molds, typically at 340°F (170°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	1.80-2.10	g/cm ³	ASTM D792
Mold Shrinkage	-0.100-0.300	%	ASTM D955
Water Absorption, 24 hrs. 23°C	Max. 0.5	%	ASTM D570
Mechanical	Typical	Unit	Test Method
Tensile Strength	Min. 25	MPa	ASTM D638
Flexural Modulus	Min. 9.0	GPa	ASTM D790
Flexural Strength	Min.60	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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