

**Product Description**

Glass Fiber reinforced Polyester BMC suitable for Automotive Headlamp, Fog Lamp Reflectors and Automotive Body Panels.

**General**

Material Status	• Commercial: Active		
Availability	• North America • Asia Pacific	• Europe • South America	
Filler / Reinforcement	• Glass Fiber and Mineral Filler		
Features	• Excellent adhesion characteristics • Can be coated using traditional or electrostatic coating system		
Processing Method	• This BMC product is generally intended to be injection 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. Can be supplied in logs, slugs or bulk.		
Resin	• Unsaturated Polyester		

Physical	Typical	Unit	Test Method
Density	1.95 - 2.01	g/cm <sup>3</sup>	ASTM D792
Mold Shrinkage (RT mold/RT part)	0.000 - 0.0001	in/in	ASTM D955
Water Absorption, 24 hrs., 23°C	0.1 - 0.2	%	ASTM D570
Hardness, Barcol	40 – 50	Barcol Units	ASTM D2583
Poisson's Ratio	0.36		ASTM D638
Mechanical (As molded)	Typical	Unit	Test Method
Tensile Strength	8,100 – 9,000 (55 – 62)	psi (MPa)	ASTM D638
Flexural Modulus (RT)	1.98 – 2.01 E+6 (13.6 – 13.8)	psi (GPa)	ASTM D790
Flexural Strength	15,300 – 18,300 (105 – 126)	psi (MPa)	ASTM D790
Compressive Strength	16,000 – 19,000 (110 – 131)	psi (Mpa)	ASTM D695
Impact	Typical	Unit	Test Method
Izod Notched Impact Strength	5.3 – 7.0 (283 – 373)	ft-lb/in (J/m)	ASTM D256
Thermal	Typical	Unit	Test Method
Heat Deflection Temperature	425 - 500 (218 - 260)	°F (°C)	ASTM D648
Flammability	Typical	Unit	Test Method
Flammability	Pass 0.0625 (1.6)	in (mm)	UL94 HB (NOT UL LISTED)

#### 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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