Technical Data Sheet **BMC 1000- Series - Headlamp**

Engineered Composites

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Product Description

Glass Fiber reinforced Polyester BMC suitable for Automotive industry. This class is a thermoset compound designed for the production of headlamps and Brackets with outstanding resistance at high temperatures.

General			
Material Status	Commercial: Active		
Availability	North AmericaAsia Pacific	EuropeSouth America	
Filler / Reinforcement	Glass Fiber and Mineral Filler		
Features	 Good Dimensional Stability 	High temperature Resistance	Outstanding Flow
Processing Method	, , ,	are process depend of the formula, pa	ed in matched metal die molds, typically int process (Varnish), tool design and
Resin	 Unsaturated Polyester 		
Physical	Typical	Unit	Test Method
Density	1.85-2.10	g/cm ³	ASTM D792
Mold Shrinkage	-0.200-0.100	%	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
Heat Deflection Temperature	> 250	°C	ASTM D648

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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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