

Product Description

Glass Fiber reinforced Polyester BMC, typical applications are armature shaft/spindle, vacuum cleaner motor housing and commutator

General

Material Status	• Commercial: Active		
Availability	• North America • Asia Pacific	• Europe • South America	
Filler / Reinforcement	• Glass Fiber and Mineral Filler		
Features	• Good Dimensional Stability	• REACH and RoHS compliant	• UL recognized - File E107758 • UL94-HB @ 0.6 mm
Processing Method	• This BMC product is generally intended to be compression, injection or transfer molded in matched metal die 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	1.70 - 2.00	g/cm ³	ISO 1183
Mold Shrinkage (RT mold/RT part)	-0,04 - 0,00 (0.004 - 0.000)	% (in/in)	ISO 2755
Water Absorption, 24 hrs. 23°C	0.1 - 0.3	%	ISO 62
Poisson's Ratio	0.36		ISO 527

Mechanical (As molded)	Typical	Unit	Test Method
Tensile Strength	3,600 - 5,800 (25 - 40)	psi (MPa)	ISO 527
Flexural Modulus (RT)	1.4 - 1,7E+6 (10 - 12)	psi (GPa)	ISO 178
Flexural Strength	8,700 - 14,500 (60 - 100)	psi (MPa)	ISO 178
Compressive Strength	16,000 - 20,000 (110 - 138)	psi (MPa)	ISO 604
Impact Strength, Charpy	10 - 15	kJ/m ²	ISO 179

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/>.

© LyondellBasell Industries Holdings, B.V. 2019

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.