

Product Description

Glass Fiber reinforced Polyester SMC suitable for residential entry door skins and other general purpose applications.

General

Material Status	• Commercial: Active		
Availability	• North America	• South America	
Filler / Reinforcement	• Glass Fiber and Mineral Filler		
Features	<ul style="list-style-type: none"> • Good warp resistance • Good flow and fill in thin moldings 	<ul style="list-style-type: none"> • Standard colors are beige and white • Excellent resistance to sagging and distortion during door assembly 	<ul style="list-style-type: none"> • Outstanding appearance in wood-grain texture or smooth skin applications.
Processing Method	• This SMC product is generally intended to be compression 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.		
Resin	• Unsaturated Polyester		

Physical	Typical	Unit	Test Method
Density	1.80	g/cm ³	ASTM D792
Mold Shrinkage (RT mold/RT part)	0.0004	in/in	ASTM D955
CLTE, X – Y plane	25	ppm/°C	ASTM E831
CLTE, Z plane	35	ppm/°C	ASTM E831
Poisson's Ratio	0.30		ASTM D638
Mechanical (As Cut)	Typical	Unit	Test Method
Tensile Modulus	1.5 E+6 (10)	psi (GPa)	ASTM D638
Tensile Strength	6,000 (40)	psi (MPa)	ASTM D638
Flexural Modulus (RT)	1.5 E+6 (10)	psi (GPa)	ASTM D790
Flexural Strength	16,000 (110)	psi (MPa)	ASTM D790
Impact	Typical	Unit	Test Method
Izod Notched Impact Strength	10 (550)	ft-lb/in (J/m)	ASTM D256
Unnotched Impact Strength	12 (650)	ft-lb/in (J/m)	ASTM D4812

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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