

Product Description

Glass fiber reinforced Polyester SMC suitable for automotive applications in which a Class A surface is desired. This SMC series uses a unsaturated Polyester resin yielding excellent surface finish while reducing the occurrence of superficial defects.

General

- Material Status
 - Commercial: Active
- Availability
 - North America
 - South America
- Filler / Reinforcement
 - Glass Fiber and Mineral Filler
- Features
 - Excellent Mechanical Properties
 - Very good surface profile
- Processing Method
 - These SMC Series is generally intended to be a injection or transfer molded in matched metal die molds, typically at 300°F (150°C), but the Temperature process depend of the formula, paint process (Varnish), tool design and machine. Strength values may be affected by the molding process.
- Resin
 - Unsaturated Polyester Composite

Physical	Typical	Unit	Test Method
Density (molded)	Max. 1.90	g/cm ³	ISO 1183/A
Shrinkage	-0.150 to 0.050	%	cold mold to cold part
Mechanical	Typical	Unit	Test Method
Tensile Modulus	Min. 9.0	GPa	ASTM D638
Tensile Strength	Min. 50	MPa	ASTM D638
Flexural Modulus	Min. 8.0	GPa	ASTM D790
Flexural Strength	Min. 110	MPa	ASTM D790
Impact	Typical	Unit	Test Method
Izod Notched Impact Strength	Min. 800	J/m	ASTM D256
Thermal	Typical	Unit	Test Method
Heat Deflection Temperature	> 250	°C	ASTM D648

Technical Data Sheet

Premi-Glas 7000 – Class A SMC

Engineered Composites



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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