

## Premix Premi-Glas® 8201-24 Glass Reinforced Polyester SMC (discontinued \*\*)

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass SMC

### Material Notes:

Description: Premi-Glas® 8201-24 is a low profile glass reinforced polyester Sheet Molding Compound designed for body panel applications. Key features and benefits: Compatible with in-mold coatings, in-mold powder coatings, and many automotive primers. Excellent flow and fill in complex molding geometries. Molds well in deep-draw parts as well as in thin-skin moldings. Automotive Class A surface profile; minimal short and long term waviness. Used in body panel applications in transportation, recreational, and marine applications. Market: Consumer/Recreational. Information provided by Premix.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Premix-Premi-Glas-8201-24-Glass-Reinforced-Polyester-SMC-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Premix-Premi-Glas-8201-24-Glass-Reinforced-Polyester-SMC-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.78 g/cc	1.78 g/cc	ASTM D792
Linear Mold Shrinkage	0.00068 cm/cm	0.00068 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	65.5 MPa	9500 psi	ASTM D638
Elongation at Break	1.2 %	1.2 %	ASTM D638
Tensile Modulus	10.3 GPa	1500 ksi	tangent; ASTM D638
Flexural Strength	159 MPa	23000 psi	ASTM D790-1
Flexural Modulus	10.3 GPa	1500 ksi	Tangent; ASTM D790-1
Poissons Ratio	0.30	0.30	ISO 527
Izod Impact, Notched	8.01 J/cm	15.0 ft-lb/in	ASTM D256
Izod Impact, Unnotched	11.2 J/cm	21.0 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
CTE, linear	36.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	20.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	Z-direction; ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	27.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	15.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	XY-direction; ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Specific Heat Capacity	0.335 J/g-°C	0.0800 BTU/lb-°F	ASTM D1269E
Thermal Conductivity	0.300 W/m-K	2.08 BTU-in/hr-ft <sup>2</sup> -°F	ASTM D1269E

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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