

Premix Premi-Glas® 1281-47 VE SMC

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Vinyl Ester , Vinyl Ester Sheet Molding Compound

Material Notes:

Description: Premi-Glas® 1281-47 VE is a sheet molding compound. Market: Structural Information provided by Premix.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Premix-Premi-Glas-1281-47-VE-SMC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 g/cc	1.80 g/cc	
Linear Mold Shrinkage	0.00075 cm/cm	0.00075 in/in	Polymerization Shrinkage

Mechanical Properties	Metric	English	Comments
Tensile Strength	140 MPa	20300 psi	ASTM D638
Elongation at Break	1.3 %	1.3 %	ASTM D638
Tensile Modulus	13.0 GPa	1890 ksi	ASTM D638
Flexural Strength	270 MPa	39200 psi	ASTM D790
Flexural Modulus	14.0 GPa	2030 ksi	ASTM D790
Poissons Ratio	0.33	0.33	
Shear Modulus	4.90 GPa	711 ksi	Calculated
Izod Impact, Notched	10.0 J/cm	18.7 ft-lb/in	ASTM D256
Izod Impact, Unnotched	17.0 J/cm	31.8 ft-lb/in	ASTM D4812

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	35.0 µm/m-°C	19.4 µin/in-°F	Z Direction
CTE, linear, Transverse to Flow	20.0 µm/m-°C	11.1 µin/in-°F	XY Direction
Thermal Conductivity	0.300 W/m-K	2.08 BTU-in/hr-ft²-°F	

Processing Properties	Metric	English	Comments
Processing Temperature	150 °C	302 °F	Compression Molding
Clamp Pressure	3.45 - 6.89 MPa	500 - 1000 psi	Molding Pressure

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China