

Owens Corning Glass Fiber Reinforced Polyester, Woven Roving (Lay-up), 50 wt.% glass

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS

Material Notes:

Data provided by the manufacturer, Owens Corning.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Owens-Corning-Glass-Fiber-Reinforced-Polyester-Woven-Roving-Lay-up-50-wt-glass.php

Physical Properties	Metric	English	Comments
Density	1.64 g/cc	0.0592 lb/in ³	ASTM D792
Water Absorption	0.50 %	0.50 %	24 hrs.; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	50	50	
Tensile Strength, Ultimate	260 MPa	37700 psi	ASTM D638
Elongation at Break	1.6 %	1.6 %	ASTM D638
Modulus of Elasticity	15.5 GPa	2250 ksi	ASTM D638
Flexural Strength	320 MPa	46400 psi	ASTM D790
Flexural Modulus	15.5 GPa	2250 ksi	ASTM D790
Compressive Strength	190 MPa	27600 psi	ASTM D695
Izod Impact, Notched	18.0 J/cm	33.7 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	7.20 µm/m-°C @Temperature 20.0 °C	4.00 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	>= 204 °C	>= 400 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Constant	4.2 @Frequency 60 Hz	4.2 @Frequency 60 Hz	ASTM D150

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