

## Owens Corning Glass Fiber Reinforced Polyester BMC (Injection), 22 wt.% glass

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS , Polyester (Thermoset) - Rigid

### Material Notes:

Polyester thermosets are available in many formulations. They can be formulated for good to excellent resistance to acids, weak alkalis, and organic solvents. However, they are not recommended for use with strong alkalis. 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-BMC-Injection-22-wt-glass.php](http://www.lookpolymers.com/polymer_Owens-Corning-Glass-Fiber-Reinforced-Polyester-BMC-Injection-22-wt-glass.php)

Physical Properties	Metric	English	Comments
Density	1.82 g/cc	0.0658 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hrs.; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	68	68	
Tensile Strength, Ultimate	33.5 MPa	4860 psi	ASTM D638
Elongation at Break	0.50 %	0.50 %	ASTM D638
Modulus of Elasticity	10.6 GPa	1540 ksi	ASTM D638
Flexural Strength	87.22 MPa	12650 psi	ASTM D790
Flexural Modulus	9.93 GPa	1440 ksi	ASTM D790
Izod Impact, Notched	1.54 J/cm	2.89 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	11.9 $\mu\text{m}/\text{m}\cdot\text{C}^\circ$	6.60 $\mu\text{in}/\text{in}\cdot\text{F}^\circ$	ASTM D696
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	
Specific Heat Capacity	1.26 J/g $\cdot\text{C}^\circ$	0.300 BTU/lb $\cdot\text{F}^\circ$	
Thermal Conductivity	0.697 W/m-K	4.84 BTU-in/hr-ft <sup>2</sup> $\cdot\text{F}^\circ$	ASTM C177
Deflection Temperature at 1.8 MPa (264 psi)	260 $^\circ\text{C}$	500 $^\circ\text{F}$	ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.2	4.2	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	

Electrical Properties	Metric <sup>mm</sup>	English <sup>in</sup>	Comments
Arc Resistance	190 sec	190 sec	ASTM D495

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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