

## Owens Corning Glass Fiber Reinforced Polystyrene Acrylonitrile (SAN), 20 wt.% glass

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Molded, Glass Reinforced

### Material Notes:

Polystyrene provides good resistance to alkalis, most organic solvents, weak acids, and household chemicals. It is not recommended for use with strong acids, ketones, esters, and some chlorinated hydrocarbons (test before use). Data provided by the manufacturer, Owens Corning.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Owens-Corning-Glass-Fiber-Reinforced-Polystyrene-Acrylonitrile-SAN-20-wt-glass.php](http://www.lookpolymers.com/polymer_Owens-Corning-Glass-Fiber-Reinforced-Polystyrene-Acrylonitrile-SAN-20-wt-glass.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.060 %	0.060 %	24 hrs.; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Ultimate	100 MPa	14500 psi	ASTM D638
Elongation at Break	1.8 %	1.8 %	ASTM D638
Modulus of Elasticity	8.62 GPa	1250 ksi	ASTM D638
Flexural Strength	130 MPa	18900 psi	ASTM D790
Flexural Modulus	7.60 GPa	1100 ksi	ASTM D790
Compressive Strength	121 MPa	17500 psi	ASTM D695
Izod Impact, Notched	0.590 J/cm	1.11 ft-lb/in	

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Constant	3.5 @Frequency 60 Hz	3.5 @Frequency 60 Hz	ASTM D150
Dielectric Strength	19.3 kV/mm	490 kV/in	ASTM D149

Electrical Properties	Metric	English	Comments
Arc Resistance	70 sec	70 sec	ASTM D495

## Contact Songhan Plastic Technology Co.,Ltd.

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