

## Mitsubishi Xantar<sup>®</sup> SF 2220 Polycarbonate-20% Glass Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 20% Glass Filled

### Material Notes:

Xantar<sup>®</sup> materials are engineered for performance, consistency and reliability. This makes Xantar<sup>®</sup> resins ideal for interior automotive components, electrical equipment and consumer appliances where quality is a key requirement. The Xantar<sup>®</sup> range includes: clear and tinted grades for transparent applications reinforced materials Flame retardant and halogen free types lubricated materials for added wear resistance Mitsubishi Engineering Plastics acquired the Xantar<sup>®</sup> product line from DSM in 2010.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Mitsubishi-Xantar-SF-2220-Polycarbonate-20-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Mitsubishi-Xantar-SF-2220-Polycarbonate-20-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	Foamed; ISO 1183
	1.35 g/cc	0.0488 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.30 %	0.30 %	Sim. to ISO 62
Viscosity Test	48 cm <sup>3</sup> /g	48 cm <sup>3</sup> /g	Limiting Viscosity Number; ISO 1628-4
Melt Flow	8.1 g/10 min @Load 1.20 kg, Temperature 300 °C	8.1 g/10 min @Load 2.65 lb, Temperature 572 °F	Calculated from Volume Flow Rate of 6 cm <sup>3</sup> /10min.; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	ISO 527-1/-2
Tensile Modulus	4.10 GPa	595 ksi	ISO 527-1/-2
Flexural Strength	80.0 MPa	11600 psi	ISO 178
Flexural Modulus	4.30 GPa	624 ksi	ISO 178

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	12.0 μm/m-°C	6.67 μin/in-°F	ISO 11359-1/-2
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	125 °C	257 °F	Ball Pressure Temperature; IEC 60695-10-2
Deflection Temperature at 0.46 MPa (66 psi)	140 °C	284 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa	135 °C	275 °F	

(264 psi) Thermal Properties	Metric	English	ISO 75-1/-2 Comments
Flammability, UL94	V-0	V-0	IEC 60695-11-10
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	5VA	5VA	IEC 60695-11-20
	@Thickness 4.80 mm	@Thickness 0.189 in	
Oxygen Index	35 %	35 %	ISO 4589-1/-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00e+15$ ohm-cm	$\geq 1.00e+15$ ohm-cm	IEC 60093
Surface Resistance	$\geq 1.00e+15$ ohm	$\geq 1.00e+15$ ohm	IEC 60093
Dielectric Constant	3.3	3.3	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
	3.3	3.3	IEC 60250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dissipation Factor	0.00080	0.00080	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.0090	0.0090	IEC 60250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Descriptive Properties	Value	Comments
Flame Retardant	Yes	
Flame Retarding Agent	Yes	
Injection molding	Yes	
With Fillers	Yes	

## 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