

Mitsubishi Xantar® SF 2230 Polycarbonate-30% Glass Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 30% Glass Filled

Material Notes:

Xantar® materials are engineered for performance, consistency and reliability. This makes Xantar® resins ideal for interior automotive components, electrical equipment and consumer appliances where quality is a key requirement. The Xantar® 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® product line from DSM in 2010.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mitsubishi-Xantar-SF-2230-Polycarbonate-30-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	Foamed; ISO 1183
	1.43 g/cc	0.0517 lb/in ³	ISO 1183
Water Absorption	0.30 %	0.30 %	Sim. to ISO 62
Viscosity Test	48 cm ³ /g	48 cm ³ /g	Limiting Viscosity Number; ISO 1628-4
Melt Flow	5.72 g/10 min @Load 1.20 kg, Temperature 300 °C	5.72 g/10 min @Load 2.65 lb, Temperature 572 °F	Calculated from Volume Flow Rate of 4 cm ³ /10min.; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527-1/-2
Elongation at Break	2.0 %	2.0 %	ISO 527-1/-2
Tensile Modulus	6.50 GPa	943 ksi	ISO 527-1/-2

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	10.0 µm/m-°C	5.56 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)	142 °C	288 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	137 °C	279 °F	ISO 75-1/-2
Flammability, UL94	V-0	V-0	IEC 60695-11-10

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
	5VA	5VA	IEC 60695-11-20
	@Thickness 4.80 mm	@Thickness 0.189 in	
Oxygen Index	36 %	36 %	ISO 4589-1/-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00 \times 10^{15}$ ohm-cm	$\geq 1.00 \times 10^{15}$ ohm-cm	IEC 60093
Surface Resistance	$\geq 1.00 \times 10^{15}$ ohm	$\geq 1.00 \times 10^{15}$ 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

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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