

Eurostar Starglas GX05052 PSU, Glass Fiber Filled

Category : Polymer , Thermoplastic , Polysulfone (PSU) , Polyphenylsulfone, Glass or Carbon Fiber Reinforced

Material Notes:

Starglas GX05052 is a Glass Fiber Reinforced PSU resin (also known as Starglas PSU A 10V ¾) Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starglas-GX05052-PSU-Glass-Fiber-Filled.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Thickness 4.00 mm	0.0030 - 0.0050 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	95.0 MPa	13800 psi	ISO 527
Elongation at Break	3.5 %	3.5 %	ISO 527
Tensile Modulus	4.00 GPa	580 ksi	1 mm/min; ISO 527
Flexural Yield Strength	120 MPa	17400 psi	2 mm/min; ISO 178
Flexural Modulus	4.20 GPa	609 ksi	2 mm/min; ISO 178
Izod Impact, Unnotched (ISO)	40.0 kJ/m ²	19.0 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	155 °C	311 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af

Processing Properties	Metric	English	Comments
Zone 1	310 - 330 °C	590 - 626 °F	
Zone 2	310 - 330 °C	590 - 626 °F	
Zone 3	310 - 330 °C	590 - 626 °F	
Melt Temperature	310 - 330 °C	590 - 626 °F	
Mold Temperature	150 °C	302 °F	
Drying Temperature	120 - 150 °C @Time 14400 sec	248 - 302 °F @Time 4.00 hour	
Moisture Content	0.050 %	0.050 %	

Processing Properties

Metric

English

Comments

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