

Samyang Trirex[®] SF3200GNH20 Polycarbonate, Reinforced Non Halogen for Printers

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

Material Notes:

PC is characterized by its excellent impact resistance, dimensional stability and excellent thermal resistance.SF3200GNH20 is a reinforced, non-halogen grade for Printers.Applications: Office Machine (O/A, Printer) Internal PartsInformation provided by Samyang.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samyang-Trirex-SF3200GNH20-Polycarbonate-Reinforced-Non-Halogen-for-Printers.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Water Absorption	0.12 %	0.12 %	ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D955
Melt Flow	22 g/10 min @Load 1.20 kg, Temperature 300 Â°C	22 g/10 min @Load 2.65 lb, Temperature 572 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength	98.1 MPa	14200 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Yield Strength	108 MPa	15600 psi	ASTM D790
Flexural Modulus	7.65 GPa	1110 ksi	ASTM D790
Izod Impact, Notched	0.588 J/cm @Thickness 3.17 mm	1.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	31.0 Âµm/m-Â°C	17.2 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	122 Â°C	252 Â°F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
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Electrical Properties	4.00e+16 ohm-cm Metric	4.00e+16 ohm-cm English	ASTM D257 Comments
Dielectric Constant	3.11	3.11	ASTM D150
Dielectric Strength	31.0 kV/mm	787 kV/in	ASTM D149
Dissipation Factor	0.0090	0.0090	ASTM D150
Arc Resistance	120 sec	120 sec	ASTM D495

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