

Eurostar Starflam PZ00062E PA6, Glass Fiber Filled, Flame Retardant, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass Fiber Filled, Flame Retardant

Material Notes:

Starflam PX0062E is a Halogen Free and Red Phosphorous Free, Flame Retardant, Glass Reinforced, Polyamide 6 Injection Molding Resin. Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starflam-PZ00062E-PA6-Glass-Fiber-Filled-Flame-Retardant-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	E2P method
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	120 MPa	17400 psi	ISO 527
Elongation at Break	2.0 %	2.0 %	ISO 527
Tensile Modulus	8.10 GPa	1170 ksi	1 mm/min; ISO 527
Flexural Strength	160 MPa	23200 psi	ISO 178
Flexural Modulus	7.30 GPa	1060 ksi	ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m ²	16.7 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af
Flammability, UL94	V-2	V-2	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Zone 1	240 - 250 °C	464 - 482 °F	
Zone 2	250 - 260 °C	482 - 500 °F	
Zone 3	250 - 270 °C	482 - 518 °F	

Melt Temperature Processing Properties	250 - 270 °C Metric	482 - 518 °F English	Comments
Mold Temperature	50.0 - 90.0 °C	122 - 194 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Moisture Content	0.20 %	0.20 %	

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