

Eurostar Starflam AFR560B5 PA66, Mineral/Glass Fiber Reinforced, Flame Retardant, Injection Molding

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber Filled, Flame Retardant , Nylon 66, Glass/Mineral Filled

Material Notes:

Starflam AFR560B5 is a Flame Retardant, Mineral Filled and Glass Fiber Reinforced Polyamide 66, Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starflam-AFR560B5-PA66-MineralGlass-Fiber-Reinforced-Flame-Retardant-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	76.0 MPa	11000 psi	5 mm/min; ISO 527
Elongation at Break	1.6 %	1.6 %	5 mm/min; ISO 527
Tensile Modulus	8.70 GPa	1260 ksi	1 mm/min; ISO 527
Flexural Strength	118 MPa	17100 psi	2 mm/min; ISO 178
Flexural Modulus	8.50 GPa	1230 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	2.00 kJ/m ²	0.952 ft-lb/in ²	80x10x4; ISO 180/1A
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	3.00 kJ/m ²	1.43 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	80x10x4; ISO 180/1A
	4.00 kJ/m ²	1.90 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	80x10x4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	258 °C	496 °F	Edgew 120x10x4, sp=100 mm; ISO 75/Be
Vicat Softening Point	257 °C	495 °F	B/120; ISO 306
Flammability, UL94	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Glow Wire Test	960 °C	1760 °F	IEC 60695-2-12
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Comparative Tracking Index	400 V	400 V	IEC 60112

Processing Properties	Metric	English	Comments
Zone 1	260 - 270 °C	500 - 518 °F	
Zone 2	270 - 280 °C	518 - 536 °F	
Zone 3	270 - 285 °C	518 - 545 °F	
Melt Temperature	270 - 285 °C	518 - 545 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	
Drying Temperature	75.0 - 85.0 °C @Time 14400 - 21600 sec	167 - 185 °F @Time 4.00 - 6.00 hour	
Moisture Content	0.20 %	0.20 %	

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