

Eurostar Starflam UF0033 PPA, Glass Fiber Filled, Flame Retardant, Injection Molded

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 10% Glass Fiber Reinforced

Material Notes:

Starflam UF0033 is a Mineral Flame Retardant, Halogen Free and Red Phosphorous Free, Glass Reinforced, Polyphthalamide Injection Molding Resin Information provided by Eurostar.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starflam-UF0033-PPA-Glass-Fiber-Filled-Flame-Retardant-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	on Tensile Bar; E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa	18100 psi	5 mm/min; ISO 527
Elongation at Break	2.0 %	2.0 %	janv, 5 mm/min; ISO 527
Flexural Strength	140 MPa	20300 psi	2 mm/min; ISO 178
Flexural Modulus	9.90 GPa	1440 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	80x10x4; ISO 179/1eA
Izod Impact, Unnotched (ISO)	20.0 kJ/m ²	9.52 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 200 °C	>= 392 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
Glow Wire Test	960 °C @Thickness 1.60 mm	1760 °F @Thickness 0.0630 in	IEC 60695-2-12

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	IEC 60112

Processing Properties	Metric	English	Comments
Zone 1	280 - 300 °C	536 - 572 °F	

Processing Properties	Metric ¹⁰ °C	English ¹⁰ °F	Comments
Zone 3	295 - 315 °C	563 - 599 °F	
Melt Temperature	305 - 315 °C	581 - 599 °F	
Mold Temperature	130 - 150 °C	266 - 302 °F	
Drying Temperature	120 - 140 °C @Time 14400 - 21600 sec	248 - 284 °F @Time 4.00 - 6.00 hour	
Moisture Content	>= 0.10 %	>= 0.10 %	

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