

## Eurostar Starflam PX06011 PA6, Glass Fiber Filled, Flame Retardant, Injection Molded

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

### Material Notes:

Starflam PX06011 is a Halogen Free and Red Phosphorous Free, Flame Retardant, Glass Reinforced, Polyamide 6 Injection Molding Resin (also known as Starflam PF1005Z222) Information provided by Eurostar.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurostar-Starflam-PX06011-PA6-Glass-Fiber-Filled-Flame-Retardant-Injection-Molded.php](http://www.lookpolymers.com/polymer_Eurostar-Starflam-PX06011-PA6-Glass-Fiber-Filled-Flame-Retardant-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm @Thickness 4.00 mm	0.0040 - 0.0060 in/in @Thickness 0.157 in	E2P method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	93.0 MPa	13500 psi	5 mm/min; ISO 527
Elongation at Break	2.1 %	2.1 %	5 mm/min; ISO 527
Flexural Yield Strength	136 MPa	19700 psi	2 mm/min; ISO 178
Flexural Modulus	6.30 GPa	914 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	30.0 kJ/m <sup>2</sup>	14.3 ft-lb/in <sup>2</sup>	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	196 °C	385 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
Glow Wire Test	960 °C @Thickness 1.60 mm	1760 °F @Thickness 0.0630 in	IEC 60695-2-12

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

<b>Zone 3 Processing Properties</b>	<b>250 - 270 °C Metric</b>	<b>482 - 518 °F English</b>	<b>Comments</b>
Melt Temperature	250 - 270 °C	482 - 518 °F	
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 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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