

Eurostar Starflam PK0022E PA6, 10% Mineral Filled, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% Mineral Filled

Material Notes:

PK0022E is a Halogen Free and Phosphorous Free, Mineral Filled, Polyamide 6 Injection Molding (also known as PM3620Z22 or PA 10E6 U9 Z22)Information provided by Polymer Technology & Services, the North American exclusive supplier.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurostar-Starflam-PK0022E-PA6-10-Mineral-Filled-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.012 - 0.014 cm/cm	0.012 - 0.014 in/in	on Tensile Bar; ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	69.0 MPa	10000 psi	5 mm/min; ISO 527
Elongation at Break	3.1 %	3.1 %	5 mm/min; ISO 527
Flexural Strength	102 MPa	14800 psi	2 mm/min; ISO 178
Flexural Modulus	3.40 GPa	493 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ²	1.90 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	25.0 kJ/m ²	11.9 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	71.0 °C	160 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af
UL RTI, Electrical	65.0 °C @Thickness 1.60 mm	149 °F @Thickness 0.0630 in	
UL RTI, Mechanical with Impact	65.0 °C @Thickness 1.60 mm	149 °F @Thickness 0.0630 in	
UL RTI, Mechanical without Impact	65.0 °C @Thickness 1.60 mm	149 °F @Thickness 0.0630 in	
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	IEC 60695-11-10

Processing Properties	Metric	English	Comments
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Rear Barrel Temperature Processing Properties	240 - 250 °C Metric	464 - 482 °F English	Zone 1 Comments
Middle Barrel Temperature	250 - 260 °C	482 - 500 °F	Zone 2
Front Barrel Temperature	250 - 270 °C	482 - 518 °F	Zone 3
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	50.0 - 90.0 °C	122 - 194 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4.00 hour	4.00 hour	
Moisture Content	0.20 %	0.20 %	

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