

Eurostar Starflam RF0023E PA66/6, 10% Glass Filled, Injection Molded

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6, 10% Glass Fiber Reinforced

Material Notes:

Starflam RF0023E is a Mineral Flame Retardant, Halogen Free and Phosphorous Free, Glass Fiber Reinforced, Polyamide 66/6 Injection Molding (also known as RF1002Z230EM) 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-RF0023E-PA666-10-Glass-Filled-Injection-Molded.php

Physical Properties	Metric	English	Comments
Density	1.73 g/cc	0.0625 lb/in ³	ISO 1183
Water Absorption	0.80 % @Temperature 23.0 °C, Time 86400 sec	0.80 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm @Time 86400 sec	0.0020 - 0.0050 in/in @Time 24.0 hour	ISO 294

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	94.0 MPa	13600 psi	ISO 527
Elongation at Break	1.5 - 2.5 %	1.5 - 2.5 %	ISO 527
Flexural Strength	132 MPa	19100 psi	ISO 178
Flexural Modulus	7.60 GPa	1100 ksi	ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	80x10x4; ISO 180/1A
Izod Impact, Unnotched (ISO)	22.0 kJ/m ²	10.5 ft-lb/in ²	80x10x4; ISO 180/1U

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.00 W/m-K	6.94 BTU-in/hr-ft ² -°F	ASTM E1530
Hot Ball Pressure Test	178 °C @Thickness 3.00 mm	352 °F @Thickness 0.118 in	IEC 60695-10-2
Deflection Temperature at 1.8 MPa (264 psi)	178 °C	352 °F	Flatw 80x10x4, sp=64 mm; ISO 75/Af
Vicat Softening Point	202 °C	396 °F	B/120; ISO 306
UL RTI, Electrical	130 °C @Thickness 0.860 mm	266 °F @Thickness 0.0339 in	

Thermal Properties	130 °C Metric	266 °F English	Comments
	@Thickness 1.70 mm	@Thickness 0.0669 in	
	130 °C	266 °F	
	@Thickness 3.00 mm	@Thickness 0.118 in	
UL RTI, Mechanical with Impact	105 °C	221 °F	
	@Thickness 0.860 mm	@Thickness 0.0339 in	
	105 °C	221 °F	
	@Thickness 1.70 mm	@Thickness 0.0669 in	
	105 °C	221 °F	
	@Thickness 3.00 mm	@Thickness 0.118 in	
UL RTI, Mechanical without Impact	120 °C	248 °F	
	@Thickness 0.860 mm	@Thickness 0.0339 in	
	130 °C	266 °F	
	@Thickness 1.70 mm	@Thickness 0.0669 in	
	140 °C	284 °F	
	@Thickness 3.00 mm	@Thickness 0.118 in	
Flammability, UL94	V-2	V-2	IEC 60695-11-10
	@Thickness 0.860 mm	@Thickness 0.0339 in	
	V-0	V-0	IEC 60695-11-10
	@Thickness 1.70 mm	@Thickness 0.0669 in	
	V-0	V-0	IEC 60695-11-10
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	IEC 60112
Hot Wire Ignition, HWI	>= 120 sec	>= 120 sec	PLC 0
	@Thickness 0.860 mm	@Thickness 0.0339 in	
High Amp Arc Ignition, HAI	>= 120 arcs	>= 120 arcs	PLC 0
	@Thickness 0.860 mm	@Thickness 0.0339 in	
	>= 120 arcs	>= 120 arcs	PLC 0
	@Thickness 1.70 mm	@Thickness 0.0669 in	

Electrical Properties	>= 120 arcs Metric	>= 120 arcs English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	270 - 280 °C	518 - 536 °F	Zone 1
Middle Barrel Temperature	275 - 285 °C	527 - 545 °F	Zone 2
Front Barrel Temperature	280 - 300 °C	536 - 572 °F	Zone 3
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 194 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4.00 hour	4.00 hour	
Moisture Content	0.20 %	0.20 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China