

Starflam SF0023

Polyamide 12
Eurostar Engineering Plastics

Message:

Starflam SF0023 is a Halogen Free and Red Phosphorous Free Flame Retardant, Glass Fiber Reinforced, Improved Thermal Conductivity, Polyamide 12 Injection Molding Resin

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	Flame retardancy		
Features	Heat conduction		
	Phosphorus content, low (to none)		
	Halogen-free		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.62	g/cm ³	ISO 1183
shrinkage-Flow (24 hr)	0.40 - 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	78.0	MPa	ISO 527-2
Tensile Strain (Break)	1.9	%	ISO 527-2
Flexural Modulus	7500	MPa	ISO 178
Flexural Strength	120	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	27	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (1.8 MPa, Unannealed, 64.0 mm Span)	115	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.6 mm, E2P Measurement)	V-0		UL 94
Glow Wire Flammability Index (1.6 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	220 - 250	°C	
Middle Temperature	260 - 280	°C	

Front Temperature	260 - 290	°C
Processing (Melt) Temp	260 - 290	°C
Mold Temperature	60 - 90	°C

NOTE

1. 80x10x4 mm

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Recommended distributors for this material

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