

Starflam AFR560B5

Polyamide 66

Eurostar Engineering Plastics

Message:

Starflam AFR560B5 is a Flame Retardant, Mineral Filled and Glass Fiber Reinforced Polyamide 66 Injection Molding Resin

General Information			
UL YellowCard	E340012-100747900		
Filler / Reinforcement	Glass\Mineral		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8700	MPa	ISO 527-2/1
Tensile Stress (Break)	76.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.6	%	ISO 527-2/5
Flexural Modulus ¹	8500	MPa	ISO 178
Flexural Stress	118	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ²			ISO 180/1A
-40°C	2.0	kJ/m ²	
-20°C	3.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (0.45 MPa, Unannealed, 100 mm Span)	258	°C	ISO 75-2/Be
Vicat Softening Temperature	257	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.750 mm)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	75.0 to 85.0	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	260 to 270	°C	
Middle Temperature	270 to 280	°C	

Front Temperature	270 to 285	°C
Processing (Melt) Temp	270 to 285	°C
Mold Temperature	60.0 to 90.0	°C

NOTE		
1.	2.0 mm/min	
2.	80*10*4	
3.	120*10*4	

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