

Starflam BFR330A

Polyamide 6
Eurostar Engineering Plastics

Message:

Starflam BFR330A is a Flame Retardant Glass Bead Reinforced Polyamide 6 Injection Molding Resin

General Information			
UL YellowCard	E340012-100750684		
Filler / Reinforcement	Glass Bead		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.50 to 0.80	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2/1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/5
Tensile Strain (Break)	6.0	%	ISO 527-2/5
Flexural Modulus ²	2800	MPa	ISO 178
Flexural Stress	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	6.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 100 mm Span)	65.0	°C	ISO 75-2/Ae
Vicat Softening Temperature	205	°C	ISO 306/B120
CLTE			ISO 11359-2
Flow : 23 to 60°C	3.2E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.2E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	240 to 250	°C	

Middle Temperature	250 to 260	°C
Front Temperature	250 to 270	°C
Processing (Melt) Temp	250 to 270	°C
Mold Temperature	50.0 to 90.0	°C

NOTE

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

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