

Starflam BFR460B

Polyamide 6
Eurostar Engineering Plastics

Message:

Starflam BFR460B is a Flame Retardant, Glass Fiber Reinforced, Polyamide 6 Injection Molding Resin

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.60 to 0.80	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	140	MPa	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 100 mm Span)	210	°C	ISO 75-2/Ae
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.8E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.0E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm, Tested by E2P)	V-0		UL 94
Glow Wire Flammability Index (1.50 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.	80*10*4
3.	120*10*4

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