

Starflam MF0044

Polypropylene
Eurostar Engineering Plastics

Message:

Starflam MF0044 is an Halogen Free Flame Retardant, Glass Fiber Reinforced, PP Injection Molding Resin

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.30 to 0.50	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	75.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	%	ISO 527-2/5
Flexural Modulus ¹	4300	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	30	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	135	°C	ISO 75-2/Af
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm, Tested by E2P)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Drying Time	3.0	hr	
Rear Temperature	180 to 190	°C	
Middle Temperature	190 to 200	°C	
Front Temperature	190 to 200	°C	
Processing (Melt) Temp	190 to 200	°C	
Mold Temperature	30.0 to 50.0	°C	
NOTE			
1.	2.0 mm/min		

2.	80*10*4
3.	80*10*4
4.	80*10*4

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