

Starflam RF0023P

Polyamide 66/6 Copolymer
Eurostar Engineering Plastics

Message:

Starflam RF0023P is a Flame Retardant, Halogen Free Red Phosphorous Free, Glass Fiber Reinforced PA66 / PA6 Injection Molding (also known as Starflam PA66C U2 Z23)

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	Low (to None) Phosphorus Content		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.72	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.20 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	94.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.4	%	ISO 527-2/5
Flexural Modulus ¹	9500	MPa	ISO 178
Flexural Stress	139	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	2.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	192	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	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 (1.60 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	270 to 280	°C	
Middle Temperature	275 to 285	°C	

Front Temperature	280 to 300	°C
Processing (Melt) Temp	280 to 300	°C
Mold Temperature	60.0 to 90.0	°C

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

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