

Starflam RF0023E

Polyamide 66/6 Copolymer
Eurostar Engineering Plastics

Message:

RFOO23E is a Mineral Flame Retardant Halogen Free Red and Phosphorous Free, Glass Fiber Reinforced, PA66 and 6 Injection Molding (also known as RF1002ZZ30EM)

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant 2		
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	1.73	g/cm ³	ISO 1183
Molding Shrinkage - Flow (24 hr)	0.20 to 0.50	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	94.0	MPa	ISO 527-2
Tensile Strain (Break)	1.5 to 2.5	%	ISO 527-2
Flexural Modulus	7600	MPa	ISO 178
Flexural Stress	132	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	3.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	22	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	178	°C	ISO 75-2/Af
Vicat Softening Temperature	202	°C	ISO 306/B120
Thermal Conductivity	1.0	W/m/K	ASTM E1530
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	V-2		
1.70 mm	V-0		
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. 80*10*4
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