

Starflam RF0055E

Polyamide 66/6 Copolymer
Eurostar Engineering Plastics

Message:

Starflam RF0055E is a Halogen Free and Red Phosphorous Free Flame Retardant, Glass Fiber Reinforced, PA66 / PA6 Injection Molding (also known as RF1005Z250EM)

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	1.47	g/cm ³	ISO 1183
Molding Shrinkage - Flow (24 hr)	0.10 to 0.30	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9800	MPa	ISO 527-2/1
Tensile Stress (Break)	140	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	8400	MPa	ISO 178
Flexural Stress	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	40	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	210	°C	ISO 75-2/Af
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.00 mm	V-1		
1.20 mm	V-0		
1.60 mm, Tested by E2P	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	265 to 275	°C	

Middle Temperature	265 to 275	°C
Front Temperature	270 to 280	°C
Processing (Melt) Temp	270 to 280	°C
Mold Temperature	60.0 to 100	°C

NOTE		
1.	80*10*4	
2.	80*10*4	
3.	80*10*4	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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