Starflam RF0057P

Polyamide 66/6 Copolymer

Eurostar Engineering Plastics

Message:

RF0057P is a Halogen Free and Red Phosphorous Free Flame Retardant, Glass Fiber Reinforced, PA66 / PA6 Injection Molding Resin (also known as RF1005Z270EM)

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	1.39	g/cm³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.20	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	130	MPa	ISO 527-2/5
Tensile Strain (Break)	2.4	%	ISO 527-2/5
Flexural Modulus [1]	8100	MPa	ISO 178
Flexural Stress	195	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength [2] (23°C)	7.0	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength [3] (23°C)	50	kJ/m²	ISO 180/1U
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [4] (1.8 MPa, Unannealed, 64.0 mm Span)	214	°C	ISO 75-2/Af
RTI Elec	140	°C	UL 746
RTI Imp	105	°C	UL 746
RTI Str	140	°C	UL 746
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index	600	V	IEC 60112
High Amp Arc Ignition (HAI)	PLC 0		UL 746
Hot-wire Ignition (HWI)	PLC 0		UL 746
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.800 mm)	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	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.	2.0 mm/min
2.	80*10*4
3.	80*10*4
4.	80*10*4

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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