

# Starflam RX06082

Polyamide 66/6 Copolymer

Eurostar Engineering Plastics

## Message:

Starflam RX06082 is a Halogen Free and Red Phosphorous Free Flame Retardant, Glass Fiber Reinforced, Polyamide 66 / Polyamide 6 Injection Molding Resin

General Information			
UL YellowCard	E340012-100750142		
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	1.34	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.30 to 0.50	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	111	MPa	ISO 527-2/5
Tensile Strain (Break)	2.6	%	ISO 527-2/5
Flexural Modulus <sup>1</sup>	7000	MPa	ISO 178
Flexural Stress	161	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength <sup>2</sup> (23°C)	8.0	kJ/m <sup>2</sup>	ISO 180/1A
Unnotched Izod Impact Strength <sup>3</sup> (23°C)	40	kJ/m <sup>2</sup>	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature <sup>4</sup> (1.8 MPa, Unannealed, 64.0 mm Span)	214	°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
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	260 to 270	°C	
Middle Temperature	265 to 280	°C	

Front Temperature	260 to 280	°C
Processing (Melt) Temp	265 to 275	°C
Mold Temperature	70.0 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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