

Starflam® RX06082

copolyamide 66/6



Starflam RX06082 is a halogen free and red phosphorous free flame retardant, 20% glass fiber reinforced ,PA66 / PA6 for injection molded applications.

General

Regional Availability	• North America	• Europe	
Additive	• Flame Retarding Agent	• Heat Stabilizer	• Release agent
Features	• Bromine Free • Halogen Content, None	• Flame Retardant	• Good Surface Finish
UL File Number	• E70062		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical

	dry	cond.	Unit	Test Standard
Density	1.34	-	g/cm ³	ISO 1183

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Stress (Yield, 23°C)	111	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.6	-	%	ISO 527-2
Flexural Modulus (23°C)	7000	-	MPa	ISO 178
Flexural Strength (23°C)	161	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	8	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	40	-	kJ/m ²	ISO 180/1U

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	214	-	°C	ISO 75-2/A
RTI Elec				UL 746
1.60 mm	65		°C	
2.00 mm	65		°C	
3.00 mm	65		°C	
RTI Imp				UL 746
1.60 mm	65		°C	
2.00 mm	65		°C	
3.00 mm	65		°C	
RTI Str				UL 746

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1.60 mm	65	°C
2.00 mm	65	°C
3.00 mm	65	°C

Electrical	Value	Unit	Test Standard
Comparative Tracking Index (3.00 mm)	600	V	IEC 60112

Flammability	Value	Unit	Test Standard
Flammability			UL 94
1.60 mm	V-0	-	
2.00 mm	V-0	-	
3.00 mm	V-0	-	
Flammability, 5V			UL 94
2.00 mm	5VA	-	
3.00 mm	5VA	-	
Glow Wire Flammability Index			IEC 60695-2-12
1.60 mm	960	°C	
3.00 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.60 mm	775	°C	
3.00 mm	800	°C	

Injection	Value	Unit
Drying Temperature	80	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	260 - 270	°C
Middle Temperature	265 - 280	°C
Front Temperature	260 - 280	°C
Processing (Melt) Temperature	265 - 275	°C
Mold Temperature	70 - 90	°C

