

Starflam® X-Protect RX07034

polyamide 66



Starflam X-Protect RX07034 is a 30% glass fiber reinforced PA66 + PA6 compound. Developed for use in Arc chambers and other injection molding applications, it has low smoke and easy processing.

General

Regional Availability	• North America	• Europe	
Additive	• Heat Stabilizer	• Lubricant	• Release agent
Features	• Flame Retardant	• Good Electrical Properties	• Lubricated
Agency Rating	• ISO, 1043 PA66+PA6 X GF30		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical

	dry	cond.	Unit	Test Standard
Density	1.54	-	g/cm ³	ISO 1183

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Stress (Break, 23°C)	170	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.3	-	%	ISO 527-2
Flexural Modulus (23°C)	9500	-	MPa	ISO 178
Flexural Strength (23°C)	225	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	9	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	60	-	kJ/m ²	ISO 180/1U

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	213	-	°C	ISO 75-2/A
RTI Elec				UL 746
0.800 mm	140		°C	
1.60 mm	140		°C	
RTI Imp				UL 746
0.800 mm	100		°C	
1.60 mm	100		°C	
RTI Str				UL 746
0.800 mm	140		°C	
1.60 mm	140		°C	

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Electrical	Value	Unit	Test Standard
Comparative Tracking Index (3.00 mm)	600	V	IEC 60112
High Amp Arc Ignition (HAI)			UL 746
0.800 mm	PLC 0	-	
1.60 mm	PLC 0	-	
Hot-wire Ignition (HWI)			UL 746
0.800 mm	PLC 2	-	
1.60 mm	PLC 1	-	
Flammability	Value	Unit	Test Standard
Flammability			UL 94
0.800 mm	HB	-	
1.60 mm	HB	-	
Glow Wire Flammability Index			IEC 60695-2-12
1.60 mm	725	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
1.60 mm	750	°C	
Injection	Value	Unit	
Drying Temperature	75 - 85	°C	
Rear Temperature	260 - 280	°C	
Middle Temperature	265 - 280	°C	
Front Temperature	280	°C	
Processing (Melt) Temperature	270 - 280	°C	
Mold Temperature	60 - 90	°C	

