

Starflam® RF0069

polyamide 66



Starflam RF0069 is a flame retardant, 30% glass fiber reinforced, PA66 for injection molded applications.

General

Regional Availability	• North America	• Europe	
Additive	• Flame Retarding Agent	• Heat Stabilizer	• Release agent
Features	• Flame Retardant	• Halogenated	
UL File Number	• E70062		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical

	dry	cond.	Unit	Test Standard
Density	1.58	-	g/cm ³	ISO 1183
Water Absorption, Saturation, 23°C	4		%	ISO 62

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	9500	-	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	165	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2	-	%	ISO 527-2
Flexural Modulus (23°C)	9300	-	MPa	ISO 178
Flexural Strength (23°C)	190	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Charpy Unnotched Impact Strength, +23°C	60	-	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength				ISO 180/1A
+23°C	8	-	kJ/m ²	
-30°C	7	-	kJ/m ²	

Thermal

	dry	cond.	Unit	Test Standard
CLTE				ISO 11359-2
Flow : 23 to 55°C, 2.00 mm	23	*	E-6/K	
Transverse : 23 to 55°C, 2.00 mm	72	*	E-6/K	
RTI Elec				UL 746
0.750 mm	65		°C	
3.00 mm	65		°C	
RTI Imp				UL 746
0.750 mm	65		°C	
3.00 mm	65		°C	

Starflam® RF0069

polyamide 66



RTI Str			UL 746
0.750 mm	65	°C	
3.00 mm	65	°C	

Electrical	Value	Unit	Test Standard
Comparative Tracking Index (3.00 mm)	250	V	IEC 60112

Flammability	dry	cond.	Unit	Test Standard
Flammability				UL 94
0.750 mm	V-0		-	
3.00 mm	V-0		-	
Glow Wire Flammability Index				IEC 60695-2-12
2.00 mm	960		°C	
Oxygen index	31	*	%	EN ISO 4589-2

Injection	Value	Unit
Drying Temperature	75 - 85	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	270 - 290	°C
Middle Temperature	270 - 280	°C
Front Temperature	270 - 280	°C
Processing (Melt) Temperature	270 - 280	°C
Mold Temperature	70 - 100	°C

