

# Starflam® AFR560B1

polyamide 66



Starflam AFR560B1 is a mineral filled and glass filled, flame retardant PA66 for injection molded applications.

## General

Additive	• Flame Retarding Agent	• Release agent
Features	• Flame Retardant	• Halogenated
Agency Rating	• ISO, 1043 PA66 (GF+MD)30 FR17	
UL File Number	• E70062	
Appearance	• Natural Color	
Forms	• Pellets	
Processing Method	• Injection Molding	

## Physical

	dry	cond.	Unit	Test Standard
Density	1.59	-	g/cm <sup>3</sup>	ISO 1183

## Mechanical

	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	8600	-	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	115	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2	-	%	ISO 527-2

## Impact

	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength				ISO 180/1A
+23°C	5	-	kJ/m <sup>2</sup>	
-30°C	4	-	kJ/m <sup>2</sup>	
-40°C	3	-	kJ/m <sup>2</sup>	

## Electrical

	Value	Unit	Test Standard
Comparative Tracking Index (3.00 mm)	400	V	IEC 60112

## Flammability

	dry	cond.	Unit	Test Standard
Flammability				UL 94
0.750 mm	V-0			
3.00 mm	V-0			
Oxygen index	30	*	%	EN ISO 4589-2

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Injection	Value	Unit
Drying Temperature	75 - 85	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	260 - 280	°C
Middle Temperature	270 - 280	°C
Front Temperature	270 - 280	°C
Nozzle temperature	270 - 280	°C
Processing (Melt) Temperature	270 - 280	°C
Mold Temperature	60 - 90	°C



**North America**  
+1 888 927 2363

**Europe**  
+32 10 608 600

**Asia**  
+86 21 2315 0888

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