

Starflam® AFR560B1

 Ascend Performance Materials Operations LLC - *Polyamide 66*

General Information

Product Description

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

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Glass Fiber\Mineral
Additive	• Flame Retardant • Mold Release
Features	• Flame Retardant • Halogenated
Agency Ratings	• ISO 1043 (GF+MD)30 FR17
UL File Number	• E70062
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding
Resin ID	• PA66-(MF+GF) FR

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.25E+6	psi	ISO 527-1
Tensile Stress (Break, 73°F)	16700	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-40°F	1.4	ft·lb/in ²	
-22°F	1.9	ft·lb/in ²	
73°F	2.4	ft·lb/in ²	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (0.118 in)	400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in	V-0		
0.12 in	V-0		
Oxygen Index	30	%	ISO 4589-2

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	167 to 185	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	500 to 536	°F
Middle Temperature	518 to 536	°F
Front Temperature	518 to 536	°F
Nozzle Temperature	518 to 536	°F
Processing (Melt) Temp	518 to 536	°F
Mold Temperature	140 to 194	°F

