

Starflam® SF0067

Ascend Performance Materials Operations LLC - *Polyamide 12*

General Information

Product Description

Starflam SF0067 is a glass fiber reinforced, flame retardant PA12 for injection molded applications. The material is halogen free and red phosphorus free.

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant • Mold Release
Features	• Bromine Free • Flame Retardant
Agency Ratings	• ISO 1043 PA12 GF30 FR(40)
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding
Resin ID	• PA12-GF30 FR

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	14600	psi	ISO 527-2
Tensile Strain (Break, 73°F)	3.3	%	ISO 527-2
Flexural Modulus (73°F)	1.13E+6	psi	ISO 178
Flexural Stress (73°F)	20300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	4.8	ft·lb/in ²	ISO 180/1A
Unnotched Izod Impact Strength (73°F)	19	ft·lb/in ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	311	°F	ISO 75-2/A

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	410 to 446	°F
Middle Temperature	428 to 482	°F
Front Temperature	428 to 482	°F
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	140 to 194	°F

