

Starflam® PX08029I

Ascend Performance Materials Operations LLC - Polyamide 6

General Information

Product Description

Starflam PX08029I is a 20% glass filled, flame retardant PA6 for injection molded applications. The material is halogen free and red phosphorus free.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> Europe North America
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber, 20% Filler by Weight
Additive	<ul style="list-style-type: none"> Flame Retardant Heat Stabilizer
Features	<ul style="list-style-type: none"> Flame Retardant Heat Stabilized
Agency Ratings	<ul style="list-style-type: none"> ISO 1043 PA6 GF20 FR(30)
Appearance	<ul style="list-style-type: none"> Natural Color
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding
Resin ID	<ul style="list-style-type: none"> PA6-GF20 FR

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	13200	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.3	%	ISO 527-2
Flexural Modulus (73°F)	696000	psi	ISO 178
Flexural Stress (73°F)	17700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	1.7	ft·lb/in ²	ISO 180/1A
Unnotched Izod Impact Strength (73°F)	12	ft·lb/in ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	331	°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	464 to 482	°F
Middle Temperature	482 to 500	°F
Front Temperature	482 to 518	°F
Processing (Melt) Temp	482 to 518	°F
Mold Temperature	122 to 194	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

