

## Starflam® PX06011

Ascend Performance Materials Operations LLC - Polyamide 6

### General Information

#### Product Description

Starflam PX06011 (formerly PF1005Z222) is a 25% glass filled, flame retardant PA6 for injection molded applications. The material is halogen free flame retardant and red phosphorus free.

#### General

Material Status	• Commercial: Active
Availability	• Europe • North America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Additive	• Flame Retardant • Heat Stabilizer • Mold Release
Features	• Flame Retardant • Heat Stabilized
Agency Ratings	• ISO 1043 PA6 GF25 FR(30)
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding
Resin ID	• PA6-GF25 FR

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	13500	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.1	%	ISO 527-2
Flexural Modulus (73°F)	914000	psi	ISO 178
Flexural Stress (73°F)	19700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	1.4	ft·lb/in <sup>2</sup>	ISO 180/1A
Unnotched Izod Impact Strength (73°F)	14	ft·lb/in <sup>2</sup>	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	385	°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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

