

Starflam® PA6Z22V2D

Ascend Performance Materials Operations LLC - Polyamide 6

General Information

Product Description

Starflam PA6Z22V2D is an unfilled flame retardant PA6 resin for injection molded applications. The material is halogen free and red phosphorus free.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Flame Retardant	• Heat Stabilizer	• Mold Release
Features	• Bromine Free	• Halogen Free	
	• Flame Retardant	• Heat Stabilized	
Agency Ratings	• ISO 1043 PA6 FR(30)		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		
Resin ID	• PA6 FR		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	493000	psi	ISO 527-1
Tensile Stress (Break, 73°F)	10300	psi	ISO 527-2
Tensile Strain (Break, 73°F)	10	%	ISO 527-2
Flexural Modulus (73°F)	377000	psi	ISO 178
Flexural Stress (73°F)	13200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.5	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	46	ft·lb/in ²	ISO 179/1eU
Notched Izod Impact Strength (73°F)	3.0	ft·lb/in ²	ISO 180/1A
Unnotched Izod Impact Strength (73°F)	51	ft·lb/in ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	127	°F	ISO 75-2/A
Melting Temperature	430	°F	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index (0.06 in)	1760	°F	IEC 60695-2-12

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	167 to 185	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	446 to 464	°F
Middle Temperature	455 to 473	°F
Front Temperature	464 to 500	°F
Processing (Melt) Temp	464 to 500	°F
Mold Temperature	140 to 176	°F

