

Starflam® PA6Z22V2D

polyamide 6



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

General

Regional Availability	• North America	• Europe	
Additive	• Flame Retarding Agent	• Heat Stabilizer	• Release agent
Features	• Bromine Free	• Flame Retardant	• Halogen Content, None
Agency Rating	• ISO, 1043 PA6 FR(30)		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical

	dry	cond.	Unit	Test Standard
Density	1.18	-	g/cm ³	ISO 1183

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	3400	-	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	71	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	10	-	%	ISO 527-2
Flexural Modulus (23°C)	2600	-	MPa	ISO 178
Flexural Strength (23°C)	91	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Charpy Notched Impact Strength, +23°C	5.2	-	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength, +23°C	97	-	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength, +23°C	6.4	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	108	-	kJ/m ²	ISO 180/1U

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	53	-	°C	ISO 75-2/A
Melting Temperature	221	*	°C	ISO 11357-3

Flammability

	Value	Unit	Test Standard
Glow Wire Flammability Index 1.60 mm	960	°C	IEC 60695-2-12

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Injection	Value	Unit
Drying Temperature	75 - 85	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	230 - 240	°C
Middle Temperature	235 - 245	°C
Front Temperature	240 - 260	°C
Processing (Melt) Temperature	240 - 260	°C
Mold Temperature	60 - 80	°C

