

Starflam® P10002EQ

polyamide 6



Starflam P10002EQ is an unfilled, halogen free, red phosphorous free, flame retardant, PA6 for injection molded applications.

General

Regional Availability	• North America	• Europe	
Additive	• Flame Retarding Agent	• Heat Stabilizer	• Release agent
Features	• Bromine Free	• Flame Retardant	• Halogen Content, None
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical

	dry	cond.	Unit	Test Standard
Density	1.18	-	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Flow : 23°C, 2.00 mm	1.0	*	%	

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Stress (Break, 23°C)	72	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5	-	%	ISO 527-2
Flexural Modulus (23°C)	3100	-	MPa	ISO 178
Flexural Strength (23°C)	100	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	5	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	25	-	kJ/m ²	ISO 180/1U

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	60	-	°C	ISO 75-2/A

Electrical

	Value	Unit	Test Standard
Comparative Tracking Index (3.00 mm)	600	V	IEC 60112

Flammability

	Value	Unit	Test Standard
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	900	°C	
1.50 mm	775	°C	

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Injection	Value	Unit
Drying Temperature	75 - 85	°C
Drying Time	4 - 6	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

