

Starflam® PZ0062E

polyamide 6



Starflam PZ0062E is a halogen free and red phosphorous free, flame retardant, 30% glass reinforced 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
UL File Number	• E70062		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical

	dry	cond.	Unit	Test Standard
Density	1.42	-	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Flow : 23°C, 2.00 mm	0.3	*	%	

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	8100	-	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	120	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2	-	%	ISO 527-2
Flexural Modulus (23°C)	7300	-	MPa	ISO 178
Flexural Strength (23°C)	160	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	8	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	35	-	kJ/m ²	ISO 180/1U

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	195	-	°C	ISO 75-2/A
RTI Elec				UL 746
0.800 mm	65		°C	
RTI Imp				UL 746
0.800 mm	65		°C	
RTI Str				UL 746
0.800 mm	65		°C	

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Flammability	Value	Test Standard
Flammability 0.800 mm	V-2	UL 94

Injection	Value	Unit
Drying Temperature	80	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	240 - 250	°C
Middle Temperature	250 - 260	°C
Front Temperature	250 - 270	°C
Processing (Melt) Temperature	250 - 270	°C
Mold Temperature	50 - 90	°C

