

Starflam P10002Z

Polyamide 6
Eurostar Engineering Plastics

Message:

Starflam P100022 is an Unfilled, Halogen Free, Red Phosphorous Free, Flame Retardant, Polyamide 6 Extrusion Resin

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	Low (to None) Phosphorus Content		
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	1.0	%	Internal Method

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3400	MPa	ISO 527-2/1
Tensile Stress (Yield)	78.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	3.7	%	
Break	5.6	%	
Flexural Modulus ¹	3100	MPa	ISO 178
Flexural Stress	105	MPa	ISO 178

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ²			
0.45 MPa, Unannealed, 64.0 mm Span	190	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	75.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	7.5E-5	cm/cm/°C	
Transverse : 23 to 60°C	8.0E-5	cm/cm/°C	

Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index (0.750 mm)	960	°C	IEC 60695-2-12
Oxygen Index	32	%	ISO 4589-2

Injection	Nominal Value	Unit
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Drying Temperature	75.0 to 85.0	°C
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	230 to 240	°C
Middle Temperature	235 to 245	°C
Front Temperature	240 to 260	°C
Processing (Melt) Temp	240 to 260	°C
Mold Temperature	60.0 to 80.0	°C
NOTE		
1.	2.0 mm/min	
2.	80*10*4	

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