

Staramide PF007IX2

Polyamide 6
Eurostar Engineering Plastics

Message:

Staramide PF0007IX2 is an Impact Modified Glass Fiber Reinforced Polyamide 6 Injection Molding Resin (also known as Star X 2010 33V)

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Impact Modifier		
Features	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8700	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield	125	MPa	
Break	123	MPa	
Tensile Strain			ISO 527-2/5
Yield	2.9	%	
Break	3.0	%	
Flexural Modulus ¹	6800	MPa	ISO 178
Flexural Stress	171	MPa	ISO 178
Flexural Strain at Break ²	4.0	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	20	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	55	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	217	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	200	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.7E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.2E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	

Rear Temperature	240 to 250	°C
Middle Temperature	250 to 260	°C
Front Temperature	250 to 260	°C
Processing (Melt) Temp	250 to 260	°C
Mold Temperature	50.0 to 90.0	°C

NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	
3.	80*10*4	
4.	80*10*4	
5.	80*10*4	

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