

Staramide PF00A

Polyamide 6
Eurostar Engineering Plastics

Message:
Staramide PF00A is a 50 % Glass Fiber Reinforced Polyamide 6 Injection Molding Resin

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.10 to 0.20	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	4.5	%	
Equilibrium, 23°C, 50% RH	0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	220	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ²	13200	MPa	ISO 178
Flexural Stress	300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	12	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	80	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 100 mm Span)	210	°C	ISO 75-2/Ae
Ball Pressure Test ⁶ (125°C)	Pass		IEC 60695-10-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	250 to 260	°C	
Middle Temperature	260 to 280	°C	
Front Temperature	260 to 280	°C	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	50.0 to 90.0	°C	
NOTE			
1.	Tensile Bar		
2.	2.0 mm/min		

3.	80*10*4
4.	80*10*4
5.	120*10*4
6.	125°C ±2°C

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