

Staramide PF003U

Polyamide 6
Eurostar Engineering Plastics

Message:

Staramide PF003U is a 15 % Glass Fiber Reinforced Polyamide 6 Injection Molding Resin UV stabilised (also known as Staramide 6 15V S4)

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	UV Stabilizer		
Features	Good UV Resistance		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.30 to 0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5700	MPa	ISO 527-2/1
Tensile Stress (Yield)	131	MPa	ISO 527-2/50
Tensile Strain (Break)	3.7	%	ISO 527-2/50
Flexural Modulus	5000	MPa	ISO 178
Flexural Stress	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹ (23°C)	48	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength ² (23°C)	64	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	45	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	197	°C	ASTM D648
Injection	Nominal Value	Unit	
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	240 to 250	°C	
Front Temperature	240 to 270	°C	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	60.0 to 80.0	°C	
NOTE			
1.	80*10*4 sp=62mm		
2.	80*10*4		

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