

Staramide P1000J5

Polyamide 6
Eurostar Engineering Plastics

Message:

Staramide P1000J5 is a Low Temperature Impact Modified Polyamide 6 Injection Molding Resin

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
	Low Temperature Impact Resistance		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	1.7	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	3.7	%	ISO 527-2/5
Flexural Modulus ¹	1200	MPa	ISO 178
Flexural Stress	43.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	45	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	50.0	°C	ISO 75-2/Af
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	220 to 230	°C	
Middle Temperature	230 to 240	°C	
Front Temperature	240 to 250	°C	
Processing (Melt) Temp	240 to 250	°C	
Mold Temperature	60.0 to 90.0	°C	
NOTE			
1.	2.0 mm/min		
2.	80*10*4		

3.	80*10*4
4.	80*10*4

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