

Staramide 6 80E7

Polyamide 6
Eurostar Engineering Plastics

Message:

Staramide 6 80E7 is a high density Polyamide 6 Injection Molding Resin (also known as 680E7)

General Information			
Features	High Density		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	2.99	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.70 to 1.0	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	74.0	MPa	ISO 527-2
Tensile Strain (Break)	0.90	%	ISO 527-2
Flexural Modulus	9500	MPa	ISO 178
Flexural Stress	102	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	17	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	132	°C	ISO 75-2/Af
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.	80*10*4		
2.	80*10*4		
3.	80*10*4		

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