

Staramide 6 80E10

Polyamide 6
Eurostar Engineering Plastics

Message:

Staramide 6 80E10 is a high density Polyamide 6 Injection Molding Resin (also known as 680E10)

General Information			
Features	High Density		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	4.00	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	1.1 to 1.3	%	Internal Method
Ash Content (650°C)	82	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹	5400	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength ² (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	84.0	°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	80.0 to 110	°C	
NOTE			
1.	2.0 mm/min		
2.	80*10*4		
3.	80*10*4		

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Recommended distributors for this material

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