

Staramide RB004

Polyamide 66
Eurostar Engineering Plastics

Message:
Staramide RB004 is a 20 % Glass Bead Reinforced Polyamide 66 Injection Molding Resin

General Information			
Filler / Reinforcement	Glass Bead,20% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	1.1 to 1.3	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4300	MPa	ISO 527-2/1
Tensile Stress (Break)	65.0	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	3300	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ¹ (23°C)	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength ² (23°C)	25	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength ³ (23°C)	4.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	70.0	°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	260 to 280	°C	
Middle Temperature	270 to 280	°C	
Front Temperature	270 to 290	°C	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	60.0 to 90.0	°C	
NOTE			
1.	80*10*4		
2.	80*10*4		
3.	80*10*4		

4.	80*10*4
5.	80*10*4

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