

Staramide RB008

Polyamide 66

Eurostar Engineering Plastics

Message:

Staramide RB008 is a 40 % Glass Bead Reinforced Polyamide 66 Injection Molding Resin

General Information			
Filler / Reinforcement	Glass Bead,40% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	1.4	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5200	MPa	ISO 527-2/1
Tensile Stress (Yield)	83.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	%	ISO 527-2/5
Flexural Modulus ¹	4400	MPa	ISO 178
Flexural Stress	128	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	3.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	225	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	110	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	5.8E-5	cm/cm/°C	
Transverse : 23 to 60°C	5.7E-5	cm/cm/°C	
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.	2.0 mm/min		

2.	80*10*4
3.	80*10*4
4.	80*10*4

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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