

Staramide BS6

Polyamide 6
Eurostar Engineering Plastics

Message:
Staramide BS6 is a 30 % Glass Bead Reinforced Polyamide 6 Injection Molding Resin

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	1.0 to 1.5	%	Internal Method
Water Absorption (Saturation, 23°C)	6.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4200	MPa	ISO 527-2/1
Tensile Stress (Break)	65.0	MPa	ISO 527-2/5
Tensile Strain (Break)	10	%	ISO 527-2/5
Flexural Modulus ²	4100	MPa	ISO 178
Flexural Stress	108	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 100 mm Span	195	°C	ISO 75-2/Be
1.8 MPa, Unannealed, 100 mm Span	85.0	°C	ISO 75-2/Ae
Vicat Softening Temperature	215	°C	ISO 306/B120
CLTE			ISO 11359-2
Flow : 23 to 60°C	5.0E-5	cm/cm/°C	
Transverse : 23 to 60°C	6.0E-5	cm/cm/°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm, Tested by E2P)	HB		UL 94
Oxygen Index	24	%	ISO 4589-2
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	230 to 240	°C	
Middle Temperature	240 to 250	°C	
Front Temperature	240 to 270	°C	

Processing (Melt) Temp	240 to 270	°C
Mold Temperature	60.0 to 80.0	°C
NOTE		
1.	Tensile Bar	
2.	2.0 mm/min	
3.	80*10*4	
4.	120*10*4	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

