

Staramide BK8

Polyamide 6
Eurostar Engineering Plastics

Message:
Staramide BK8 is a 40 % Mineral Filled Polyamide 6 Injection Molding Resin

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.80 to 1.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	112		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5800	MPa	ISO 527-2/1
Tensile Stress (Break)	90.0	MPa	ISO 527-2/50
Tensile Strain (Break)	6.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ²			ISO 180/1A
-40°C	5.0	kJ/m ²	
-20°C	5.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³			
0.45 MPa, Unannealed, 100 mm Span	225	°C	ISO 75-2/Be
1.8 MPa, Unannealed, 100 mm Span	113	°C	ISO 75-2/Ae
Vicat Softening Temperature	230	°C	ISO 306/B120
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm, Tested by E2P)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	650	°C	IEC 60695-2-12
Oxygen Index	26	%	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.	80*10*4	
3.	120*10*4	

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