

Staramide AK8ST41

Polyamide 66
Eurostar Engineering Plastics

Message:
Staramide AK8ST41 is an Impact Modified, Mineral Filled Polyamide 66 Injection Molding Resin

General Information			
Filler / Reinforcement	Mineral		
Additive	Impact Modifier		
Features	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Water Absorption (Saturation, 23°C)	0.50	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4800	MPa	ISO 527-2/1
Tensile Stress (Yield)	70.0	MPa	ISO 527-2/50
Tensile Strain (Break)	10	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	12	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ² (1.8 MPa, Unannealed, 100 mm Span)	150	°C	ISO 75-2/Ae
Vicat Softening Temperature	245	°C	ISO 306/B120
CLTE			ISO 11359-2
Flow : 23 to 60°C	6.0E-5	cm/cm/°C	
Transverse : 23 to 60°C	6.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
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.	120*10*4

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