

Staramide AG6ST43

Polyamide 66
Eurostar Engineering Plastics

Message:

Staramide AG6ST43 is an Impact Modified, Glass Fiber Reinforced Polyamide 66 Injection Molding Resin

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Impact Modifier		
Features	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.30 to 0.50	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5800	MPa	ISO 527-2/1
Tensile Stress (Break)	110	MPa	ISO 527-2/5
Tensile Strain (Break)	5.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ²			ISO 180/1A
-40°C	16	kJ/m ²	
-20°C	18	kJ/m ²	
23°C	22	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³			
0.45 MPa, Unannealed, 100 mm Span	245	°C	ISO 75-2/Be
1.8 MPa, Unannealed, 100 mm Span	225	°C	ISO 75-2/Ae
Vicat Softening Temperature	250	°C	ISO 306/B120
CLTE - Flow (23 to 80°C)	4.0E-4	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm, Tested by E2P)	HB		UL 94
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.	Tensile Bar	
2.	80*10*4	
3.	120*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

