

Staramide 6 70E3

Polyamide 6
Eurostar Engineering Plastics

Message:

Staramide 6 70E3 is a 70 % mineral filled high density Polyamide 6 Injection Molding Resin (also known as 670E3)

General Information			
Filler / Reinforcement	Mineral,70% Filler by Weight		
Features	High Density		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	2.30	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	1.1 to 1.4	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	77.0	MPa	ISO 527-2/5
Tensile Strain (Break)	1.3	%	ISO 527-2/5
Flexural Modulus	6800	MPa	ISO 178
Flexural Stress	103	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	3.1	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	18	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	123	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	250 to 260	°C	
Middle Temperature	275 to 290	°C	
Processing (Melt) Temp	265 to 275	°C	
Mold Temperature	80.0 to 95.0	°C	
NOTE			
1.	80*10*4		
2.	80*10*4		
3.	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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