

Star T PA6 75E12

Polyamide 6
Eurostar Engineering Plastics

Message:
Star T PA6 75E12 is a Polyamide 6 Injection Molding Resin with Improved Thermal Conductivity

General Information			
Features	Heat conduction		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.26	g/cm ³	ASTM D792
shrinkage-Flow (4.00 mm)	0.80 - 1.2	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	1.4	%	ISO 527-2
Flexural Modulus	12500	MPa	ISO 178
Flexural Stress	123	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	3.8	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (1.8 MPa, Unannealed, 64.0 mm Span)	136	°C	ISO 75-2/Af
Thermal Conductivity ²	1.5	W/m/K	Internal method
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	250 - 260	°C	
Middle Temperature	260 - 280	°C	
Front Temperature	260 - 280	°C	
Processing (Melt) Temp	260 - 280	°C	
Mold Temperature	60 - 90	°C	
NOTE			
1.	80x10x4 mm		
2.	Across Flow		

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