

Staramide R1000EI2

Polyamide 66

Eurostar Engineering Plastics

Message:

Staramide R1000EI2 is an Impact Modified Polyamide 66 Injection Molding Resin (also known as R1000HI010)

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	1.0 to 1.5	%	
Flow : 24 hr	1.1 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1
Tensile Stress (Break)	65.0	MPa	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	13	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	96	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³			
0.45 MPa, Unannealed, 64.0 mm Span	160	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	65.0	°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	260 to 270	°C	
Middle Temperature	270 to 280	°C	
Front Temperature	270 to 280	°C	
Processing (Melt) Temp	270 to 280	°C	
Mold Temperature	60.0 to 100	°C	
NOTE			
1.	80*10*4		

2.	80*10*4
3.	80*10*4

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