

Staramide R1000IX2

Polyamide 66
Eurostar Engineering Plastics

Message:

Staramide R1000IX2 is an Impact Modified Polyamide 66 Injection Molding Resin (also known as Star X 1010)

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 - Flow (4.00 mm)	1.0 to 1.5	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1
Tensile Stress (Yield)	65.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 40	%	ISO 527-2/50
Flexural Modulus ¹	2000	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	13	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
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.	2.0 mm/min		
2.	80*10*4		
3.	80*10*4		

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