

Star X RF003IU2-BK3047

Polyamide 66
Eurostar Engineering Plastics

Message:

Star X RF003IU2-BK3047 is an Impact Modified, Glass Fiber Reinforced , UV stabilized Polyamide 66 Injection Molding Resin (also known as Star X D 1010 14V /3/047)

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Impact Modifier		
	UV Stabilizer		
Features	Good UV Resistance		
	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow (4.00 mm)	0.50 to 0.70	%	Internal Method
Ash Content (650°C)	14	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4400	MPa	ISO 527-2/1
Tensile Stress (Yield)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	3300	MPa	ISO 178
Flexural Stress	115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ¹			ISO 179/1eA
-30°C	6.0	kJ/m ²	
23°C	12	kJ/m ²	
Charpy Unnotched Impact Strength ²			ISO 179/1eU
-30°C	55	kJ/m ²	
23°C	60	kJ/m ²	
Notched Izod Impact Strength ³			ISO 180/1A
-30°C	6.0	kJ/m ²	
23°C	13	kJ/m ²	
Unnotched Izod Impact Strength ⁴			ISO 180/1U
-30°C	50	kJ/m ²	
23°C	50	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 100 mm Span)	215	°C	ISO 75-2/Ae
Melting Temperature (DSC)	260	°C	ISO 3146
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.	80*10*4 sp=62mm		
2.	80*10*4 sp=62mm		
3.	80*10*4		
4.	80*10*4		
5.	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

