

Staramide RFB53U

Polyamide 66

Eurostar Engineering Plastics

Message:

Staramide RFB53U is Glass Bead and Glass Fiber Reinforced Polyamide 66 Injection Molding Resin (also known as Staramide 66 1525 VK Z4)

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.70	%	Internal Method
Water Absorption (23°C, 24 hr)	1.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7200	MPa	ISO 527-2/1
Tensile Stress (Yield)	131	MPa	ISO 527-2/5
Tensile Strain (Break)	2.6	%	ISO 527-2/5
Flexural Modulus ¹	7500	MPa	ISO 178
Flexural Stress	201	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	6.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	30	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	253	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	229	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	4.2E-5	cm/cm/°C	
Transverse : 23 to 60°C	8.6E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	265 to 275	°C	
Middle Temperature	270 to 290	°C	
Front Temperature	280 to 290	°C	
Processing (Melt) Temp	275 to 285	°C	
Mold Temperature	60.0 to 100	°C	
NOTE			

1.	2.0 mm/min
2.	80*10*4
3.	80*10*4
4.	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

