

Zislloy® BFG30-BN00N2

Polyamide 6
Zig Sheng Industrial Co., Ltd.

Message:
PA 6 injection molding grade, 30% glass fiber reinforced, natural color.

General Information			
UL YellowCard	E321298-100837721		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 80°C, 2.00 mm	0.70	%	
Flow : 80°C, 2.00 mm	0.30	%	
Water Absorption (Saturation, 23°C)	0.90	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9300	MPa	ISO 527-2/1
Tensile Stress (Break)	180	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	%	ISO 527-2/5
Flexural Modulus ²	8300	MPa	ISO 178
Flexural Stress ³	275	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	93	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	13	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	°C	ISO 75-2/A
Melting Temperature ⁴	220	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	Test Method
Drying Temperature	80.0	°C	

Drying Time - Hot Air Dryer	2.0 to 6.0	hr	
Processing (Melt) Temp	265 to 280	°C	
Mold Temperature	80.0 to 120	°C	
Residual Moisture Content	< 0.10	%	Karl Fisher

NOTE

- | | |
|----|------------|
| 1. | 60x60x2 mm |
| 2. | 2.0 mm/min |
| 3. | 2.0 mm/min |
| 4. | 10°C/min |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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



WECHAT