

## Gromax BFG50-BN00N1 Nylon 6 60% Glass Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 60% Glass Fiber Filled

### Material Notes:

Information provided by Gromax Enterprises Corp.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gromax-BFG50-BN00N1-Nylon-6-60-Glass-Filled-Dry.php](http://www.lookpolymers.com/polymer_Gromax-BFG50-BN00N1-Nylon-6-60-Glass-Filled-Dry.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.62 g/cc	1.62 g/cc	ISO 1183
Moisture Absorption	0.760 %	0.760 %	ISO 62
Maximum Moisture Content	0.10	0.10	Karl Fischer
Linear Mold Shrinkage, Flow	0.0010 cm/cm @Temperature 80.0 Â°C	0.0010 in/in @Temperature 176 Â°F	60x60x2 mm; ISO 294-4
Linear Mold Shrinkage, Transverse	0.0040 cm/cm @Temperature 80.0 Â°C	0.0040 in/in @Temperature 176 Â°F	60x60x2 mm; ISO 294-4

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	98	98	[N/mm<sup>2</sup>]; ISO 7619
Tensile Strength	212 MPa	30700 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	3.0 %	3.0 %	50 mm/min; ISO 527
Tensile Modulus	14.6 GPa	2120 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	366 MPa	53100 psi	5 mm/min; ISO 178
Flexural Modulus	12.8 GPa	1860 ksi	5 mm/min; ISO 178
Izod Impact, Notched (ISO)	19.0 kJ/mÂ²	9.04 ft-lb/inÂ²	ISO 180-1A
Charpy Impact Unnotched	10.0 J/cmÂ² @Temperature 23.0 Â°C	47.6 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1eU
Charpy Impact, Notched	1.91 J/cmÂ² @Temperature 23.0 Â°C	9.09 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1A

Thermal Properties	Metric	English	Comments
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<b>Melting Point</b> Thermal Properties	<b>226 Â°C</b> Metric	<b>428 Â°F</b> English	<b>10Â°C/min: ISO 11357-1,-3</b> Comments
Deflection Temperature at 0.46 MPa (66 psi)	226 Â°C	439 Â°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	216 Â°C	421 Â°F	ISO 75-1,-2
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

<b>Processing Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Melt Temperature	280 - 300 Â°C	536 - 572 Â°F	ISO 294
Mold Temperature	80.0 - 120 Â°C	176 - 248 Â°F	ISO 294
Drying Temperature	80.0 Â°C	176 Â°F	
Dry Time	2.00 - 6.00 hour	2.00 - 6.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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