

Gromax BFG15-DN00N1 Nylon 6 16% Glass Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled

Material Notes:

Information provided by Gromax Enterprises Corp.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gromax-BFG15-DN00N1-Nylon-6-16-Glass-Filled-Dry.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ISO 1183
Moisture Absorption	1.10 %	1.10 %	ISO 62
Maximum Moisture Content	0.10	0.10	Karl Fischer
Linear Mold Shrinkage, Flow	0.0070 cm/cm @Temperature 80.0 Â°C	0.0070 in/in @Temperature 176 Â°F	60x60x2 mm; ISO 294-4
Linear Mold Shrinkage, Transverse	0.010 cm/cm @Temperature 80.0 Â°C	0.010 in/in @Temperature 176 Â°F	60x60x2 mm; ISO 294-4

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	[N/mm²]; ISO 7619
Tensile Strength	108 MPa	15600 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	4.6 %	4.6 %	50 mm/min; ISO 527
Tensile Modulus	6.10 GPa	885 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	190 MPa	27600 psi	5 mm/min; ISO 178
Flexural Modulus	6.28 GPa	910 ksi	5 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.10 kJ/mÂ²	1.95 ft-lb/inÂ²	ISO 180-1A
Charpy Impact Unnotched	3.50 J/cmÂ² @Temperature 23.0 Â°C	16.7 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1eU
Charpy Impact, Notched	0.460 J/cmÂ² @Temperature 23.0 Â°C	2.19 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1A

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	220 Â°C Metric	428 Â°F English	10Â°C/min: ISO 11357-1,-3 Comments
Deflection Temperature at 0.46 MPa (66 psi)	213 Â°C	415 Â°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	203 Â°C	397 Â°F	ISO 75-1,-2
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 Â°C	518 - 554 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	

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