

Gromax BFG30-DN00N1 Nylon 6 30% Glass Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

Material Notes:

Information provided by Gromax Enterprises Corp.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gromax-BFG30-DN00N1-Nylon-6-30-Glass-Filled-Dry.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ISO 1183
Moisture Absorption	0.900 %	0.900 %	ISO 62
Maximum Moisture Content	0.10	0.10	Karl Fischer
Linear Mold Shrinkage, Flow	0.0030 cm/cm @Temperature 80.0 Â°C	0.0030 in/in @Temperature 176 Â°F	60x60x2 mm; ISO 294-4
Linear Mold Shrinkage, Transverse	0.0070 cm/cm @Temperature 80.0 Â°C	0.0070 in/in @Temperature 176 Â°F	60x60x2 mm; ISO 294-4

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	[N/mm²]; ISO 7619
Tensile Strength	143 MPa	20800 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	2.6 %	2.6 %	50 mm/min; ISO 527
Tensile Modulus	7.30 GPa	1060 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	240 MPa	34800 psi	5 mm/min; ISO 178
Flexural Modulus	8.04 GPa	1170 ksi	5 mm/min; ISO 178
Izod Impact, Notched (ISO)	7.30 kJ/mÂ²	3.47 ft-lb/inÂ²	ISO 180-1A
Charpy Impact Unnotched	6.80 J/cmÂ² @Temperature 23.0 Â°C	32.4 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1eU
Charpy Impact, Notched	0.760 J/cmÂ² @Temperature 23.0 Â°C	3.62 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1A

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	218 Â°C	424 Â°F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	208 Â°C	406 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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