

Gromax BFG30-AH00B2 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-AH00B2-Nylon-6-30-Glass-Filled-Dry.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 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
Melt Flow	60 g/10 min @Load 5.00 kg, Temperature 275 Â°C	60 g/10 min @Load 11.0 lb, Temperature 527 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	91	91	[N/mm<sup>2]; ISO 7619
Tensile Strength	157 MPa	22800 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	3.5 %	3.5 %	50 mm/min; ISO 527
Flexural Strength	250 MPa	36300 psi	5 mm/min; ISO 178
Flexural Modulus	8.24 GPa	1190 ksi	5 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/mÂ²	4.76 ft-lb/inÂ²	ISO 180-1A
Charpy Impact Unnotched	6.03 J/cmÂ² @Temperature 23.0 Â°C	28.7 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1eU
Charpy Impact, Notched	1.02 J/cmÂ² @Temperature 23.0 Â°C	4.85 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 179-1A

Thermal Properties	Metric	English	Comments
Melting Point	220 Â°C	428 Â°F	10Â°C/min; ISO 11357-1,-3
Deflection Temperature at 1.8 MPa (264 psi)	205 Â°C	401 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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