

Gromax BFG50-FU00B3 Nylon 6 49.4% Glass Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 50% 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-FU00B3-Nylon-6-494-Glass-Filled-Dry.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.67 g/cc	1.67 g/cc	ISO 1183
Maximum Moisture Content	0.10	0.10	Karl Fischer
Melt Flow	32.3 g/10 min @Load 5.00 kg, Temperature 275 Â°C	32.3 g/10 min @Load 11.0 lb, Temperature 527 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength	196.3 MPa	28480 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	3.0 %	3.0 %	50 mm/min; ISO 527
Flexural Strength	314.3 MPa	45590 psi	5 mm/min; ISO 178
Flexural Modulus	13.1 GPa	1910 ksi	5 mm/min; ISO 178
Izod Impact, Notched (ISO)	146.7 kJ/mÂ²	69.81 ft-lb/inÂ²	ISO 180-1A

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)	216.7 Â°C	422.1 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	276 - 290 Â°C	529 - 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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