

Gromax BFG30-FH00N1 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-FH00N1-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	22 g/10 min @Load 5.00 kg, Temperature 275 Â°C	22 g/10 min @Load 11.0 lb, Temperature 527 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	93	93	[N/mm<sup>2]; ISO 7619
Tensile Strength	183 MPa	26600 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	3.3 %	3.3 %	50 mm/min; ISO 527
Tensile Modulus	9.80 GPa	1420 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	275 MPa	39900 psi	5 mm/min; ISO 178
Flexural Modulus	8.58 GPa	1240 ksi	5 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.5 kJ/mÂ² @Temperature -30.0 Â°C	5.00 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 180-1A
	15.5 kJ/mÂ² @Temperature 23.0 Â°C	7.38 ft-lb/inÂ² @Temperature 73.4 Â°F	ISO 180-1A

Mechanical Properties	Metric	English	Comments
Charpy Impact Unnotched	@Temperature -30.0 °C	@Temperature -22.0 °F	ISO 179-1eU
	10.2 J/cm ²	48.5 ft-lb/in ²	ISO 179-1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.07 J/cm ²	5.09 ft-lb/in ²	ISO 179-1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	1.62 J/cm ²	7.71 ft-lb/in ²	ISO 179-1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10°C/min; ISO 11357-1,-3
Deflection Temperature at 0.46 MPa (66 psi)	212 °C	414 °F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	222 °C	432 °F	ISO 75-1,-2
Deflection Temperature at 8.0 MPa	187 °C	369 °F	ISO 75-1,-2
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 °C	518 - 554 °F	ISO 294
Mold Temperature	80.0 - 120 °C	176 - 248 °F	ISO 294
Drying Temperature	80.0 °C	176 °F	
Dry Time	2.00 - 6.00 hour	2.00 - 6.00 hour	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China