

Gromax BFM30-EL03N1 Nylon 6 30% Mineral Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Mineral Filled

Material Notes:

Information provided by Gromax Enterprises Corp.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gromax-BFM30-EL03N1-Nylon-6-30-Mineral-Filled-Dry.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 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	0.0020 cm/cm	0.0020 in/in	60x60x2 mm; ISO 294-4
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	60x60x2 mm; ISO 294-4

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73	73	[N/mm ²]; ISO 7619
Tensile Strength	70.6 MPa	10200 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	2.7 %	2.7 %	50 mm/min; ISO 527
Flexural Strength	130 MPa	18900 psi	5 mm/min; ISO 178
Flexural Modulus	5.88 GPa	853 ksi	5 mm/min; ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	ISO 180-1A
Charpy Impact Unnotched	4.00 J/cm ² @Temperature 23.0 °C	19.0 ft-lb/in ² @Temperature 73.4 °F	ISO 179-1eU
Charpy Impact, Notched	0.330 J/cm ² @Temperature 23.0 °C	1.57 ft-lb/in ² @Temperature 73.4 °F	ISO 179-1A

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10°C/min; ISO 11357-1,-3
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °F	ISO 75-1,-2
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	266 - 280 Â°C	511 - 536 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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