

Gromax BTE90-DN001N1 Nylon 6 (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Information provided by Gromax Enterprises Corp.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gromax-BTE90-DN001N1-Nylon-6-Dry.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|-------------|-------------|-----------------------|
| Specific Gravity | 1.03 g/cc | 1.03 g/cc | ISO 1183 |
| Moisture Absorption | 1.80 % | 1.80 % | ISO 62 |
| Maximum Moisture Content | 0.10 | 0.10 | Karl Fischer |
| Linear Mold Shrinkage, Flow | 0.018 cm/cm | 0.018 in/in | 60x60x2 mm; ISO 294-4 |
| Linear Mold Shrinkage, Transverse | 0.019 cm/cm | 0.019 in/in | 60x60x2 mm; ISO 294-4 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--|--|--------------------------------|
| Hardness, Shore D | 65 | 65 | [N/mm ²]; ISO 7619 |
| Tensile Strength | 35.3 MPa | 5120 psi | 50 mm/min; ISO 527-1,-2 |
| Elongation at Break | 226 % | 226 % | 50 mm/min; ISO 527 |
| Flexural Strength | 60.0 MPa | 8700 psi | 5 mm/min; ISO 178 |
| Flexural Modulus | 1.27 GPa | 185 ksi | 5 mm/min; ISO 178 |
| Izod Impact, Notched | >= NB | >= NB | 5 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 86.0 kJ/m ² | 40.9 ft-lb/in ² | ISO 180-1A |
| Charpy Impact Unnotched | NB @Temperature 23.0 °C | NB @Temperature 73.4 °F | ISO 179-1eU |
| Charpy Impact, Notched | 2.36 J/cm ² @Temperature -30.0 °C | 11.2 ft-lb/in ² @Temperature -22.0 °F | ISO 179-1A |
| | 9.00 J/cm ² @Temperature 23.0 °C | 42.8 ft-lb/in ² @Temperature 73.4 °F | ISO 179-1A |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
|--------------------|--------|---------|----------|

| Melting Point Thermal Properties | 220 Â°C Metric | 428 Â°F English | 10Â°C/min: ISO 11357-1,-3 Comments |
|--|--------------------------|----------------------------|---------------------------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 66.0 Â°C | 151 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 | 246 - 260 Â°C | 475 - 500 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 | |

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