

Eurotec® Tecomid® NB40 GR50 NL PA6, 50% glass fiber reinforced, natural

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 50% Glass Fiber Filled

Material Notes:

Information provided by Eurotec®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecomid-NB40-GR50-NL-PA6-50-glass-fiber-reinforced-natural.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--------------------------------|--------------------------------|----------------|
| Density | 1.56 g/cc | 0.0564 lb/in ³ | ISO 1183 |
| Moisture Absorption | 1.50 % @Temperature 23.0 °C | 1.50 % @Temperature 73.4 °F | 50% RH; ISO 62 |
| Linear Mold Shrinkage, Flow | 0.0010 cm/cm | 0.0010 in/in | Eurotec |
| Linear Mold Shrinkage, Transverse | 0.0090 cm/cm | 0.0090 in/in | Eurotec |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|---|---|------------|
| Tensile Strength at Break | 220 MPa | 31900 psi | ISO 527 |
| Elongation at Break | 2.5 % | 2.5 % | ISO 527 |
| Tensile Modulus | 16.0 GPa | 2320 ksi | ISO 527 |
| Izod Impact, Notched (ISO) | 18.0 kJ/m ² @Temperature -30.0 °C | 8.57 ft-lb/in ² @Temperature -22.0 °F | ISO 180/1A |
| | 20.0 kJ/m ² @Temperature 23.0 °C | 9.52 ft-lb/in ² @Temperature 73.4 °F | ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 100 kJ/m ² @Temperature -30.0 °C | 47.6 ft-lb/in ² @Temperature -22.0 °F | ISO 180/1U |
| | 110 kJ/m ² @Temperature 23.0 °C | 52.3 ft-lb/in ² @Temperature 73.4 °F | ISO 180/1U |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------------------|
| Melting Point | 223 °C | 433 °F | [10 K/min], ISO 11357 |
| Deflection Temperature at 0.46 MPa (66 psi) | 220 °C | 428 °F | ISO 75 |
| Deflection Temperature at 1.8 MPa (264 psi) | 215 °C | 419 °F | ISO 75 |

| Thermal Properties | 215 °C Metric | 419 °F English | Comments |
|--------------------|---------------------|----------------------|----------|
| | @Load 5.10 kg | @Load 11.2 lb | |
| Flammability, UL94 | HB | HB | |
| | @Thickness 1.60 mm | @Thickness 0.0630 in | |
| | HB | HB | |
| | @Thickness 0.750 mm | @Thickness 0.0295 in | |

| Electrical Properties | Metric | English | Comments |
|----------------------------|-----------------|-----------------|-----------------------|
| Volume Resistivity | 1.00e+15 ohm-cm | 1.00e+15 ohm-cm | IEC 60093 |
| Surface Resistance | 1.00e+13 ohm | 1.00e+13 ohm | IEC 60093 |
| Comparative Tracking Index | 500 V | 500 V | Solution A; IEC 60112 |

| Processing Properties | Metric | English | Comments |
|------------------------|------------------|------------------|----------|
| Processing Temperature | 250 - 270 °C | 482 - 518 °F | |
| Feed Temperature | 60.0 - 80.0 °C | 140 - 176 °F | Throat |
| Mold Temperature | 60.0 - 100 °C | 140 - 212 °F | |
| Drying Temperature | 80.0 °C | 176 °F | |
| Dry Time | 2.00 - 4.00 hour | 2.00 - 4.00 hour | |
| Moisture Content | <= 0.20 % | <= 0.20 % | ISO 960 |
| Hold Pressure | 50.0 - 100 MPa | 7250 - 14500 psi | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Back Pressure | Low | |
| Injection Speed | Fast | |

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