

Eurotec® Tecomid® NA40 GR30 NL IH PA 6.6 30% glass fiber reinforced, impact modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Excellent stiffness/toughness balance High mechanical strength Very good thermal stability Excellent flammability characteristics Good electrical properties High wear resistance and low friction Very good chemical resistance Good flow and processing properties
APPLICATIONS: Automotive Electrical/Electronic Furniture Construction Home appliances

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecomid-NA40-GR30-NL-IH-PA-66-30-glass-fiber-reinforced-impact-modified.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|--------------|---------------------------|---|
| Density | 1.30 g/cc | 0.0470 lb/in ³ | ISO 1183 |
| Filler Content | 30 % | 30 % | ISO 3451 |
| Moisture Absorption at Equilibrium | 1.5 % | 1.5 % | Humidity Absorption, 50% RH, 23°C; ISO 62 |
| Water Absorption at Saturation | 5.0 % | 5.0 % | 23°C; ISO 62 |
| Linear Mold Shrinkage | 0.0040 cm/cm | 0.0040 in/in | |
| Linear Mold Shrinkage, Transverse | 0.012 cm/cm | 0.012 in/in | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|---|---|------------|
| Tensile Strength at Break | 140 MPa | 20300 psi | ISO 527 |
| Elongation at Break | 4.0 % | 4.0 % | ISO 527 |
| Tensile Modulus | 8.00 GPa | 1160 ksi | ISO 527 |
| Flexural Strength | 180 MPa | 26100 psi | ISO 178 |
| Flexural Modulus | 7.00 GPa | 1020 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 14.0 kJ/m ² @Temperature -30.0 °C | 6.66 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 |
| Charpy Impact Unnotched | 9.00 J/cm ² @Temperature -30.0 °C | 42.8 ft-lb/in ² @Temperature -22.0 °F | ISO 179/eU |
| | 10.0 J/cm ² @Temperature 23.0 °C | 47.6 ft-lb/in ² @Temperature 73.4 °F | ISO 179/eU |

| Mechanical Properties | Metric | English | Comments |
|------------------------|------------------------|----------------------------|------------|
| Charpy Impact, Notched | 1.50 J/cm ² | 7.04 ft-lb/in ² | ISO 179/eA |
| | @Temperature -30.0 °C | @Temperature -22.0 °F | |
| | 2.20 J/cm ² | 10.5 ft-lb/in ² | ISO 179/eA |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|---|--------------------|----------------------|--------------------|
| Melting Point | 262 °C | 504 °F | 10 K/min; ISO 3146 |
| Deflection Temperature at 0.46 MPa (66 psi) | 250 °C | 482 °F | ISO 75-1/2 |
| Deflection Temperature at 1.8 MPa (264 psi) | 240 °C | 464 °F | ISO 75-1/2 |
| Vicat Softening Point | 240 °C | 464 °F | 50N; ISO 306 |
| Flammability, UL94 | HB | HB | |
| | @Thickness 1.60 mm | @Thickness 0.0630 in | |
| | HB | HB | |
| | @Thickness 3.20 mm | @Thickness 0.126 in | |
| Glow Wire Test | 650 °C | 1200 °F | plaque; IEC 60695 |
| | @Thickness 2.00 mm | @Thickness 0.0787 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 | IEC 60112 |

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