

Eurotec® Tecomid® NA40 NL IH PA6.6, impact modified, natural

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Information provided by Eurotec®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurotec-Tecomid-NA40-NL-IH-PA66-impact-modified-natural.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--------------------------------|--------------------------------|----------------|
| Density | 1.04 g/cc | 0.0376 lb/in ³ | ISO 1183 |
| Moisture Absorption | 2.00 % @Temperature 23.0 °C | 2.00 % @Temperature 73.4 °F | 50% RH; ISO 62 |
| Linear Mold Shrinkage, Flow | 0.017 cm/cm | 0.017 in/in | Eurotec |
| Linear Mold Shrinkage, Transverse | 0.017 cm/cm | 0.017 in/in | Eurotec |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|---|---|------------|
| Tensile Strength, Yield | 50.0 MPa | 7250 psi | ISO 527 |
| Tensile Modulus | 1.50 GPa | 218 ksi | ISO 527 |
| Izod Impact, Notched (ISO) | 25.0 kJ/m ² @Temperature -30.0 °C | 11.9 ft-lb/in ² @Temperature -22.0 °F | ISO 180/1A |
| | 85.0 kJ/m ² @Temperature 23.0 °C | 40.4 ft-lb/in ² @Temperature 73.4 °F | ISO 180/1A |
| Izod Impact, Unnotched (ISO) | NB @Temperature -30.0 °C | NB @Temperature -22.0 °F | ISO 180/1U |
| | NB @Temperature 23.0 °C | NB @Temperature 73.4 °F | ISO 180/1U |

| Thermal Properties | Metric | English | Comments |
|---|--------------------------|----------------------------|-----------------------|
| Melting Point | 262 °C | 504 °F | [10 K/min], ISO 11357 |
| Deflection Temperature at 1.8 MPa (264 psi) | 60.0 °C | 140 °F | ISO 75 |
| Flammability, UL94 | HB @Thickness 1.60 mm | HB @Thickness 0.0630 in | |
| | HB | HB | |

| Thermal Properties | Metric @ Thickness 0.750 mm | English @ Thickness 0.0295 in | Comments |
|--------------------|--------------------------------|----------------------------------|----------|
|--------------------|--------------------------------|----------------------------------|----------|

| 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 | 600 V | 600 V | Solution A; IEC 60112 |

| Processing Properties | Metric | English | Comments |
|------------------------|------------------|------------------|----------|
| Processing Temperature | 260 - 280 °C | 500 - 536 °F | |
| Feed Temperature | 60.0 - 80.0 °C | 140 - 176 °F | Throat |
| Mold Temperature | 50.0 - 90.0 °C | 122 - 194 °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 | Medium-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