

PTS Trimid® N6-TG30L-BK 30% Glass Fiber, High Impact Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

Material Notes:

Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-Trimid-N6-TG30L-BK-30-Glass-Fiber-High-Impact-Nylon-6.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|-----------|
| Density | 1.32 g/cc | 0.0477 lb/in ³ | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------------|--------------------------------------|-----------|
| Tensile Strength, Yield | 130 MPa | 18900 psi | ASTM D638 |
| Elongation at Break | 4.5 % | 4.5 % | ASTM D638 |
| Flexural Modulus | 8.00 GPa @Thickness 3.17 mm | 1160 ksi @Thickness 0.125 in | ASTM D790 |
| Izod Impact, Notched | 1.98 J/cm @Thickness 3.17 mm | 3.71 ft-lb/in @Thickness 0.125 in | ASTM D256 |
| Izod Impact, Unnotched | 5.34 J/cm @Thickness 3.17 mm | 10.0 ft-lb/in @Thickness 0.125 in | |

| Thermal Properties | Metric | English | Comments |
|---|--------------------------|----------------------------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | >= 200 °C | >= 392 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 195 °C | 383 °F | ASTM D648 |
| Flammability, UL94 | HB @Thickness 1.57 mm | HB @Thickness 0.0620 in | |

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