

Network Polymers Nylon 6G20L

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled

Material Notes:

Description: Natural Nylon Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-Nylon-6G20L.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------------------|
| Specific Gravity | 1.28 g/cc | 1.28 g/cc | ASTM D792 |
| Water Absorption | 8.0 % | 8.0 % | Saturation; ASTM D570 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-------------|---------------|----------------------------|
| Tensile Strength at Break | 134 MPa | 19400 psi | ASTM D638 |
| Elongation at Break | 2.0 - 4.0 % | 2.0 - 4.0 % | ASTM D638 |
| Flexural Strength | 192 MPa | 27800 psi | ASTM D790 |
| Flexural Modulus | 4.83 GPa | 700 ksi | ASTM D790 |
| Izod Impact, Notched | 0.801 J/cm | 1.50 ft-lb/in | 1/8 in specimen; ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-------------------------|
| Melting Point | 218 °C | 425 °F | ASTM D789 |
| Deflection Temperature at 1.8 MPa (264 psi) | 191 °C | 375 °F | 0.125 in bar; ASTM D648 |

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