

**PolyOne Edgetek® NL-10GF/000 Nylon 6/12, Glass Filled (discontinued \*\*)**

Category : Polymer , Thermoplastic , Nylon , Nylon 612

**Material Notes:**

Description/Features:Glass Fiber ReinforcedInformation provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-NL-10GF000-Nylon-612-Glass-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-NL-10GF000-Nylon-612-Glass-Filled-nbspdiscontinued-.php)

| Physical Properties   | Metric                       | English                       | Comments                    |
|-----------------------|------------------------------|-------------------------------|-----------------------------|
| Specific Gravity      | 1.135 g/cc                   | 1.135 g/cc                    | ASTM D792                   |
| Water Absorption      | 0.35 %<br>@Thickness 3.17 mm | 0.35 %<br>@Thickness 0.125 in | 24 hr. Immersion; ASTM D570 |
| Linear Mold Shrinkage | 0.0050 - 0.0055 cm/cm        | 0.0050 - 0.0055 in/in         | ASTM D955                   |

| Mechanical Properties   | Metric   | English  | Comments                                      |
|-------------------------|--|--|---|
| Tensile Strength, Yield | 89.6 MPa   | 13000 psi  | Type 1 - Rigids, Break, 0.2 in/min; ASTM D638 |
| Elongation at Break     | 5.0 %  | 5.0 %  | Type 1 - Rigids, 0.2 in/min; ASTM D638        |
| Tensile Modulus         | 4.48 GPa   | 650 ksi  | Type 1 - Rigids, 0.2 in/min; ASTM D638        |
| Flexural Strength       | 138 MPa  | 20000 psi  | ASTM D790                                     |
| Flexural Modulus        | 4.48 GPa   | 650 ksi  | ASTM D790                                     |
| Izod Impact, Notched    | 0.694 J/cm<br>@Thickness 6.35 mm,<br>Temperature 23.0 °C | 1.30 ft-lb/in<br>@Thickness 0.250 in,<br>Temperature 73.4 °F | Method A, Injection Molded; ASTM D256         |

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