

## PolyOne Edgetek® NI-10GF/000 Polyamide 610 (Nylon 610)

Category : Polymer , Thermoplastic , Nylon , Nylon 610

### Material Notes:

Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-NI-10GF000-Polyamide-610-Nylon-610.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-NI-10GF000-Polyamide-610-Nylon-610.php)

| Physical Properties         | Metric       | English      | Comments  |
|-----------------------------|--------------|--------------|-----------|
| Specific Gravity            | 1.14 g/cc    | 1.14 g/cc    | ASTM D792 |
| Linear Mold Shrinkage, Flow | 0.0040 cm/cm | 0.0040 in/in | ASTM D955 |

| Mechanical Properties     | Metric                                                   | English                                                       | Comments                      |
|---------------------------|----------------------------------------------------------|---------------------------------------------------------------|-------------------------------|
| Tensile Strength at Break | 82.7 MPa                                                 | 12000 psi                                                     | Type I, 5.1 mm/min; ASTM D638 |
| Elongation at Break       | 4.0 %                                                    | 4.0 %                                                         | Type I, 5.1 mm/min; ASTM D638 |
| Flexural Strength         | 124 MPa                                                  | 18000 psi                                                     | ASTM D790                     |
| Flexural Modulus          | 4.14 GPa                                                 | 600 ksi                                                       | ASTM D790                     |
| Izod Impact, Notched      | 0.530 J/cm<br>@Thickness 6.35 mm,<br>Temperature 23.0 °C | 0.993 ft-lb/in<br>@Thickness 0.250 in,<br>Temperature 73.4 °F | Injection Molded; ASTM D256A  |

| Processing Properties | Metric    | English   | Comments |
|-----------------------|-----------|-----------|----------|
| Melt Temperature      | 282 °C    | 540 °F    |          |
| Mold Temperature      | 93.3 °C   | 200 °F    |          |
| Drying Temperature    | 93.3 °C   | 200 °F    |          |
| Dry Time              | 4.00 hour | 4.00 hour |          |

| Descriptive Properties | Value                     | Comments |
|------------------------|---------------------------|----------|
| Filler / Reinforcement | Glass Fiber Reinforcement |          |
| Forms                  | Pellets                   |          |
| Generic Material       | Nylon 610                 |          |
| Generic Name           | Polyamide 610 (Nylon 610) |          |
| Regional Availability  | Africa & Middle East      |          |

| Descriptive Properties | Asia Pacific<br>Value | Comments |
|------------------------|-----------------------|----------|
|                        | Europe                |          |
|                        | North America         |          |
|                        | South America         |          |

Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)  
Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)  
Tel : +86 021-51131842  
Mobile : +86 13061808058  
Skype : lookpolymers  
Address : United North Road 215,Fengxian District, Shanghai City,China