

## Techmer ES Luriblend® PA6/6 GF10 TL10 10% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled , Nylon 66, Heat Stabilized , Nylon 66, PTFE Filled

### Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass Fiber, 10% Filler by Weight Additive: Heat Stabilizer and PTFE

Lubricant(5%) Features: Lubricated, Good Wear Resistance, Low Friction and Heat Stabilized Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-PA66-GF10-TL10-10-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA66-GF10-TL10-10-Glass-Filled.php)

| Physical Properties         | Metric                             | English                             | Comments  |
|-----------------------------|------------------------------------|-------------------------------------|-----------|
| Density                     | 1.23 g/cc                          | 0.0444 lb/in <sup>3</sup>           | ASTM D792 |
| Water Absorption            | 0.90 %<br>@Time 86400 sec          | 0.90 %<br>@Time 24.0 hour           | ASTM D570 |
| Linear Mold Shrinkage, Flow | 0.0070 cm/cm<br>@Thickness 3.17 mm | 0.0070 in/in<br>@Thickness 0.125 in | ASTM D955 |

| Mechanical Properties   | Metric                           | English                               | Comments  |
|-------------------------|----------------------------------|---------------------------------------|-----------|
| Hardness, Rockwell R    | 95                               | 95                                    | ASTM D785 |
| Tensile Strength, Yield | 108 MPa                          | 15600 psi                             | ASTM D638 |
| Elongation at Break     | 3.0 %                            | 3.0 %                                 | ASTM D638 |
| Flexural Strength       | 155 MPa                          | 22500 psi                             | ASTM D790 |
| Flexural Modulus        | 4.83 GPa                         | 700 ksi                               | ASTM D790 |
| Izod Impact, Notched    | 0.481 J/cm<br>@Thickness 3.17 mm | 0.900 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties                          | Metric         | English          | Comments              |
|---------------------------------------------|----------------|------------------|-----------------------|
| CTE, linear, Parallel to Flow               | 55.8 Åµm/m-Å°C | 31.0 Åµin/in-Å°F | ASTM D696             |
| Deflection Temperature at 0.46 MPa (66 psi) | 259 Å°C        | 498 Å°F          | Unannealed; ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 232 Å°C        | 450 Å°F          | Unannealed; ASTM D648 |
| Flammability, UL94                          | HB             | HB               |                       |

| Electrical Properties | Metric          | English         | Comments  |
|-----------------------|-----------------|-----------------|-----------|
| Volume Resistivity    | 1.00e+14 ohm-cm | 1.00e+14 ohm-cm | ASTM D257 |

|                       |            |            |                                 |
|-----------------------|------------|------------|---------------------------------|
| Electrical Properties | Metric /mm | English in | Comments Short-Time); ASTM D149 |
|-----------------------|------------|------------|---------------------------------|

**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