

## Techmer ES Luriblend® PA6/6 GF30 TL5 30% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, Heat Stabilized , Nylon 66, PTFE Filled

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Glass Fiber, 30% Filler by Weight  
Additive: Heat Stabilizer and PTFE Lubricant (15%)  
Features: Lubricated, Good Wear Resistance, Low Friction and Heat Stabilized  
Appearance: Natural Color  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-PA66-GF30-TL5-30-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA66-GF30-TL5-30-Glass-Filled.php)

| Physical Properties         | Metric                             | English                             | Comments  |
|-----------------------------|------------------------------------|-------------------------------------|-----------|
| Density                     | 1.40 g/cc                          | 0.0506 lb/in <sup>3</sup>           | ASTM D792 |
| Water Absorption            | 0.70 %<br>@Time 86400 sec          | 0.70 %<br>@Time 24.0 hour           | ASTM D570 |
| Linear Mold Shrinkage, Flow | 0.0050 cm/cm<br>@Thickness 3.17 mm | 0.0050 in/in<br>@Thickness 0.125 in | ASTM D955 |

| Mechanical Properties   | Metric                          | English                              | Comments  |
|-------------------------|---------------------------------|--------------------------------------|-----------|
| Hardness, Rockwell R    | 118                             | 118                                  | ASTM D785 |
| Tensile Strength, Yield | 163 MPa                         | 23600 psi                            | ASTM D638 |
| Elongation at Break     | 3.0 %                           | 3.0 %                                | ASTM D638 |
| Flexural Strength       | 249 MPa                         | 36100 psi                            | ASTM D790 |
| Flexural Modulus        | 8.96 GPa                        | 1300 ksi                             | ASTM D790 |
| Izod Impact, Notched    | 1.12 J/cm<br>@Thickness 3.17 mm | 2.10 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties                          | Metric         | English          | Comments              |
|---------------------------------------------|----------------|------------------|-----------------------|
| CTE, linear, Parallel to Flow               | 36.0 Åµm/m-Å°C | 20.0 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) | 249 Å°C        | 480 Å°F          | Unannealed; ASTM D648 |
| Flammability, UL94                          | HB             | HB               |                       |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

| Volume Resistivity<br>Electrical Properties | 1.00e+14 ohm-cm<br>Metric | 1.00e+14 ohm-cm<br>English | ASTM D257<br>Comments            |
|---------------------------------------------|---------------------------|----------------------------|----------------------------------|
| Dielectric Strength                         | 19.7 kV/mm                | 500 kV/in                  | Method A (Short-Time); ASTM D149 |

## Contact Songhan Plastic Technology Co.,Ltd.

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