

## Techmer ES Luriblend® PA6/6 CF30 TS15 BK 30% Carbon Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Carbon Fiber/PTFE Filled

### Material Notes:

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-PA66-CF30-TS15-BK-30-Carbon-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA66-CF30-TS15-BK-30-Carbon-Filled.php)

| Physical Properties         | Metric                             | English                             | Comments  |
|-----------------------------|------------------------------------|-------------------------------------|-----------|
| Density                     | 1.36 g/cc                          | 0.0491 lb/in <sup>3</sup>           | ASTM D792 |
| Water Absorption            | 0.45 %<br>@Time 86400 sec          | 0.45 %<br>@Time 24.0 hour           | ASTM D570 |
| Linear Mold Shrinkage, Flow | 0.0040 cm/cm<br>@Thickness 3.17 mm | 0.0040 in/in<br>@Thickness 0.125 in | ASTM D955 |

| Mechanical Properties   | Metric                           | English                              | Comments  |
|-------------------------|----------------------------------|--------------------------------------|-----------|
| Hardness, Rockwell R    | 120                              | 120                                  | ASTM D785 |
| Tensile Strength, Yield | 186 MPa                          | 27000 psi                            | ASTM D638 |
| Elongation at Break     | 2.5 %                            | 2.5 %                                | ASTM D638 |
| Flexural Strength       | 262 MPa                          | 38000 psi                            | ASTM D790 |
| Flexural Modulus        | 12.8 GPa                         | 1850 ksi                             | ASTM D790 |
| Izod Impact, Notched    | 0.641 J/cm<br>@Thickness 3.17 mm | 1.20 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties                          | Metric  | English | Comments              |
|---------------------------------------------|---------|---------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 254 Â°C | 490 Â°F | Unannealed; ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 252 Â°C | 485 Â°F | Unannealed; ASTM D648 |

## 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