

## Techmer ES Luriblend® PA6 ML2 HS BK Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Heat Stabilized

### Material Notes:

Availability: North America Forms: Pellets Additive: Heat Stabilizer and Molybdenum Disulfide Lubricant(2%) Features: Good Wear Resistance, Low Friction, Heat Stabilized and Lubricated Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-PA6-ML2-HS-BK-Nylon-6.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA6-ML2-HS-BK-Nylon-6.php)

| Physical Properties         | Metric             | English                   | Comments  |
|-----------------------------|--------------------|---------------------------|-----------|
| Density                     | 1.16 g/cc          | 0.0419 lb/in <sup>3</sup> | ASTM D792 |
| Water Absorption            | 0.90 %             | 0.90 %                    | ASTM D570 |
|                             | @Time 86400 sec    | @Time 24.0 hour           |           |
| Linear Mold Shrinkage, Flow | 0.013 cm/cm        | 0.013 in/in               | ASTM D955 |
|                             | @Thickness 3.17 mm | @Thickness 0.125 in       |           |

| Mechanical Properties   | Metric             | English             | Comments  |
|-------------------------|--------------------|---------------------|-----------|
| Hardness, Rockwell R    | 119                | 119                 | ASTM D785 |
| Tensile Strength, Yield | 87.6 MPa           | 12700 psi           | ASTM D638 |
| Elongation at Break     | 15 %               | 15 %                | ASTM D638 |
| Flexural Strength       | 112 MPa            | 16300 psi           | ASTM D790 |
| Flexural Modulus        | 3.31 GPa           | 480 ksi             | ASTM D790 |
| Izod Impact, Notched    | 0.427 J/cm         | 0.800 ft-lb/in      | ASTM D256 |
|                         | @Thickness 3.17 mm | @Thickness 0.125 in |           |

| Thermal Properties                          | Metric         | English          | Comments              |
|---------------------------------------------|----------------|------------------|-----------------------|
| CTE, linear, Parallel to Flow               | 46.8 Åµm/m-Å°C | 26.0 Åµin/in-Å°F | ASTM D696             |
| Deflection Temperature at 1.8 MPa (264 psi) | 98.9 Å°C       | 210 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                        |
| Dielectric Strength   | 18.9 kV/mm      | 480 kV/in       | Method A (Short-Time); ASTM D149 |

## Contact Songhan Plastic Technology Co.,Ltd.

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