# Techmer ES HiFillÂ® PA6/6 GF/B40 L 20% Glass Bead/Glass Fiber Filled

**Category :** Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Bead Filled

**Material Notes:**

Availability: North AmericaForms: PelletsFiller/Reinforcement: Glass Bead, 20% Filler by Weight and Glass Fiber Reinforcement, 20% Filler by WeightAdditive: LubricantFeatures: LubricatedInformation provided by TP Composites, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-PA66-GFB40-L-20-Glass-BeadGlass-Fiber-Filled.php

| Physical Properties | Metric | English | Comments |
|---|---|---|---|
| Density | 1.42 g/cc | 0.0513 lb/inÂ³ | ASTM D792 |
| Water Absorption | 1.8 %<br>@Time 86400 sec | 1.8 %<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 | 115 | 115 | ASTM D785 |
| Tensile Strength, Yield | 103 MPa | 15000 psi | ASTM D638 |
| Elongation at Break | 3.5 % | 3.5 % | ASTM D638 |
| Flexural Strength | 152 MPa | 22000 psi | ASTM D790 |
| Flexural Modulus | 5.65 GPa | 820 ksi | ASTM D790 |
| Izod Impact, Notched | 0.534 J/cm<br>@Thickness 3.17 mm | 1.00 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---|---|---|
| CTE, linear, Parallel to Flow | 34.2 Âµm/m-Â°C | 19.0 Âµin/in-Â°F | ASTM D696 |
| Deflection Temperature at 0.46 MPa (66 psi) | 255 Â°C | 491 Â°F | Unannealed; ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 210 Â°C | 410 Â°F | Unannealed; ASTM D648 |

| Electrical Properties | Metric | English | Comments |
|---|---|---|---|
| Volume Resistivity | 1.00e+15 ohm-cm | 1.00e+15 ohm-cm | ASTM D257 |
| Dielectric Strength | 19.3 kV/mm | 490 kV/in | Method A (Short-Time); ASTM D149 |

## Contact Songhan Plastic Technology Co.,Ltd.

**Website : www.lookpolymers.com**

**Email : sales@lookpolymers.com**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**