

## Techmer ES Plastiblend® PC/ABS 88 GF 10% Glass Filled

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Glass Fiber Reinforcement, 10% Filler by Weight  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Plastiblend-PCABS-88-GF-10-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Plastiblend-PCABS-88-GF-10-Glass-Filled.php)

| Physical Properties         | Metric                             | English                             | Comments  |
|-----------------------------|------------------------------------|-------------------------------------|-----------|
| Density                     | 1.20 g/cc                          | 0.0434 lb/in <sup>3</sup>           | ASTM D792 |
| Water Absorption            | 0.10 %<br>@Time 86400 sec          | 0.10 %<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    | 119                              | 119                                  | ASTM D785 |
| Tensile Strength, Yield | 61.4 MPa                         | 8900 psi                             | ASTM D638 |
| Elongation at Break     | 4.5 %                            | 4.5 %                                | ASTM D638 |
| Flexural Yield Strength | 103 MPa                          | 15000 psi                            | ASTM D790 |
| Flexural Modulus        | 4.07 GPa                         | 590 ksi                              | ASTM D790 |
| Izod Impact, Notched    | 0.854 J/cm<br>@Thickness 3.17 mm | 1.60 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties                          | Metric        | English         | Comments              |
|---------------------------------------------|---------------|-----------------|-----------------------|
| CTE, linear, Parallel to Flow               | 41.4 Åm/m-Å°C | 23.0 Åin/in-Å°F | ASTM D696             |
| Deflection Temperature at 1.8 MPa (264 psi) | 116 Å°C       | 240 Å°F         | Unannealed; ASTM D648 |
| Flammability, UL94                          | HB            | HB              |                       |

## Contact Songhan Plastic Technology Co.,Ltd.

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