

## Techmer ES HiFill® ABS HI 350 High Impact

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Impact Grade, Molded

### Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Unspecified Filler/ReinforFeatures: High Density and High Impact

ResistanceProcessing Method: Injection MoldingInformation provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-ABS-HI-350-High-Impact.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-ABS-HI-350-High-Impact.php)

| Physical Properties         | Metric                             | English                             | Comments  |
|-----------------------------|------------------------------------|-------------------------------------|-----------|
| Density                     | 3.50 g/cc                          | 0.126 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 | 0.0030 cm/cm<br>@Thickness 3.17 mm | 0.0030 in/in<br>@Thickness 0.125 in | ASTM D955 |

| Mechanical Properties   | Metric                           | English                               | Comments  |
|-------------------------|----------------------------------|---------------------------------------|-----------|
| Tensile Strength        | 42.1 MPa                         | 6100 psi                              | ASTM D638 |
| Elongation at Yield     | 2.0 %                            | 2.0 %                                 | ASTM D638 |
| Flexural Yield Strength | 89.6 MPa                         | 13000 psi                             | ASTM D790 |
| Flexural Modulus        | 13.1 GPa                         | 1900 ksi                              | ASTM D790 |
| Izod Impact, Notched    | 0.481 J/cm<br>@Thickness 3.17 mm | 0.900 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties                          | Metric   | English | Comments              |
|---------------------------------------------|----------|---------|-----------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 98.9 Â°C | 210 Â°F | Unannealed; ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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