

## E-Polymers TEKAFIN® PH70G1 HIPP + 10% Glass Fiber Reinforced Scratch Resistance Compounded-PP

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Glass Reinforced, Impact Modified

### Material Notes:

Modified PP: TEKAFIN is modified PP resins formulated with various fillers and modifiers. It has product lines for impact modified, glass fiber reinforced, inorganic filler reinforced and hybrids. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_E-Polymers-TEKAFIN-PH70G1-HIPP-10-Glass-Fiber-Reinforced-Scratch-Resistance-Compounded-PP.php](http://www.lookpolymers.com/polymer_E-Polymers-TEKAFIN-PH70G1-HIPP-10-Glass-Fiber-Reinforced-Scratch-Resistance-Compounded-PP.php)

| Physical Properties               | Metric       | English      | Comments  |
|-----------------------------------|--------------|--------------|-----------|
| Specific Gravity                  | 0.970 g/cc   | 0.970 g/cc   | ASTM D792 |
| Linear Mold Shrinkage             | 0.0080 cm/cm | 0.0080 in/in |           |
| Linear Mold Shrinkage, Transverse | 0.011 cm/cm  | 0.011 in/in  |           |

| Mechanical Properties | Metric     | English       | Comments  |
|-----------------------|------------|---------------|-----------|
| Tensile Strength      | 68.67 MPa  | 9960 psi      | ASTM D638 |
| Elongation at Break   | 5.0 %      | 5.0 %         | ASTM D638 |
| Flexural Strength     | 98.1 MPa   | 14200 psi     | ASTM D790 |
| Flexural Modulus      | 3.2373 GPa | 469.53 ksi    | ASTM D790 |
| Izod Impact, Notched  | 0.785 J/cm | 1.47 ft-lb/in | ASTM D256 |

| Thermal Properties                          | Metric | English | Comments  |
|---------------------------------------------|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 160 °C | 320 °F  | ASTM D648 |
| Flammability, UL94                          | HB     | HB      |           |

| Processing Properties | Metric         | English      | Comments |
|-----------------------|----------------|--------------|----------|
| Melt Temperature      | 170 - 210 °C   | 338 - 410 °F |          |
| Mold Temperature      | 60.0 - 80.0 °C | 140 - 176 °F |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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