

## Techmer ES Plaslube® J-50/10/SI/2 Polycarbonate, 10% GFR, 2% Silicone

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass Filled

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Plaslube-J-5010SI2-Polycarbonate-10-GFR-2-Silicone.php](http://www.lookpolymers.com/polymer_Techmer-ES-Plaslube-J-5010SI2-Polycarbonate-10-GFR-2-Silicone.php)

| Physical Properties   | Metric                             | English                             | Comments  |
|-----------------------|------------------------------------|-------------------------------------|-----------|
| Density               | 1.28 g/cc                          | 0.0462 lb/in <sup>3</sup>           | ASTM D792 |
| Linear Mold Shrinkage | 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  |
|----------------------------|---------------------------------|--------------------------------------|-----------|
| Tensile Strength, Ultimate | 68.9 MPa                        | 10000 psi                            | ASTM D638 |
| Elongation at Break        | 4.0 - 5.0 %                     | 4.0 - 5.0 %                          | ASTM D638 |
| Flexural Yield Strength    | 110 MPa                         | 16000 psi                            | ASTM D790 |
| Flexural Modulus           | 4.14 GPa                        | 600 ksi                              | ASTM D790 |
| Izod Impact, Notched       | 1.07 J/cm<br>@Thickness 3.17 mm | 2.00 ft-lb/in<br>@Thickness 0.125 in | ASTM D256 |

| Thermal Properties                          | Metric | English | Comments  |
|---------------------------------------------|--------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 141 °C | 285 °F  | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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