

## Chem Polymer Durlex 740-10 GB PBT, 40% Short Glass Fiber, 10% Glass Bead Reinforced

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 40% Glass Fiber Filled

### Material Notes:

A 40% short glass fiber, 10% glass bead reinforced PBT, offering a combination of tensile strength, warpage control and dimensional stability for close tolerance applications. Data provided by the manufacturer, Chem Polymer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chem-Polymer-Durlex-740-10-GB-PBT-40-Short-Glass-Fiber-10-Glass-Bead-Reinforced.php](http://www.lookpolymers.com/polymer_Chem-Polymer-Durlex-740-10-GB-PBT-40-Short-Glass-Fiber-10-Glass-Bead-Reinforced.php)

| Physical Properties | Metric    | English                   | Comments  |
|---------------------|-----------|---------------------------|-----------|
| Density             | 1.76 g/cc | 0.0636 lb/in <sup>3</sup> | ASTM D792 |

| Mechanical Properties      | Metric     | English        | Comments  |
|----------------------------|------------|----------------|-----------|
| Tensile Strength, Ultimate | 131 MPa    | 19000 psi      | ASTM D638 |
| Elongation at Break        | 1.0 %      | 1.0 %          | ASTM D638 |
| Flexural Yield Strength    | 228 MPa    | 33100 psi      | ASTM D790 |
| Flexural Modulus           | 11.4 GPa   | 1650 ksi       | ASTM D790 |
| Izod Impact, Notched       | 0.530 J/cm | 0.993 ft-lb/in | ASTM D256 |

| Thermal Properties                          | Metric | English | Comments  |
|---|--------|---------|-----------|
| Melting Point                               | 215 °C | 419 °F  | ASTM D789 |
| Deflection Temperature at 1.8 MPa (264 psi) | 207 °C | 405 °F  | ASTM D648 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Melt Temperature      | 260 °C | 500 °F  |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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