

Techmer ES Luriblend[®] PC GF10 TS15 BK 10% Glass Filled

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

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber, 10% Filler by Weight
Additive: PTFE + Silicone
Lubricant(15%)
Features: Lubricated
Appearance: Black
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PC-GF10-TS15-BK-10-Glass-Filled.php

| Physical Properties | Metric | English | Comments |
|---------------------|----------------------------|----------------------------|-----------|
| Density | 1.34 g/cc | 0.0484 lb/in ³ | ASTM D792 |
| Water Absorption | 0.020 % @Time 86400 sec | 0.020 % @Time 24.0 hour | ASTM D570 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|---------------------------------|--------------------------------------|-----------|
| Hardness, Rockwell R | 116 | 116 | ASTM D785 |
| Tensile Strength, Yield | 54.5 MPa | 7900 psi | ASTM D638 |
| Elongation at Break | 5.0 % | 5.0 % | ASTM D638 |
| Flexural Yield Strength | 89.6 MPa | 13000 psi | ASTM D790 |
| Flexural Modulus | 3.45 GPa | 500 ksi | ASTM D790 |
| Izod Impact, Notched | 2.03 J/cm @Thickness 3.17 mm | 3.80 ft-lb/in @Thickness 0.125 in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--|--|-----------------------|
| CTE, linear, Parallel to Flow | 32.4 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ | 18.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ | ASTM D696 |
| Deflection Temperature at 0.46 MPa (66 psi) | 143 $\text{Å}^\circ\text{C}$ | 290 $\text{Å}^\circ\text{F}$ | Unannealed; ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 138 $\text{Å}^\circ\text{C}$ | 280 $\text{Å}^\circ\text{F}$ | Unannealed; ASTM D648 |
| Flammability, UL94 | V-1 | V-1 | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------------|-----------------|-----------|
| Volume Resistivity | 1.00e+15 ohm-cm | 1.00e+15 ohm-cm | ASTM D257 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China