

## Techmer ES ElectrafilÂ® M-2426 BK Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Conductive

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Electrafil-M-2426-BK-Polycarbonate.php](http://www.lookpolymers.com/polymer_Techmer-ES-Electrafil-M-2426-BK-Polycarbonate.php)

| Physical Properties   | Metric       | English      | Comments          |
|-----------------------|--------------|--------------|-------------------|
| Specific Gravity      | 1.24 g/cc    | 1.24 g/cc    | ASTM D792         |
| Water Absorption      | 0.12 %       | 0.12 %       | 24 Hrs; ASTM D570 |
| Linear Mold Shrinkage | 0.0020 cm/cm | 0.0020 in/in | ASTM D955         |

| Mechanical Properties     | Metric     | English       | Comments  |
|---------------------------|------------|---------------|-----------|
| Tensile Strength at Break | 100 MPa    | 14500 psi     | ASTM D638 |
| Elongation at Break       | 3.0 %      | 3.0 %         | ASTM D638 |
| Tensile Modulus           | 6.55 GPa   | 950 ksi       | ASTM D638 |
| Flexural Strength         | 155 MPa    | 22500 psi     | ASTM D790 |
| Flexural Modulus          | 5.86 GPa   | 850 ksi       | ASTM D790 |
| Izod Impact, Notched      | 0.641 J/cm | 1.20 ft-lb/in | ASTM D256 |

| Thermal Properties                          | Metric                    | English                     | Comments  |
|---------------------------------------------|---------------------------|-----------------------------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 136 Â°C                   | 276 Â°F                     | ASTM D648 |
| Flammability, UL94                          | V-0<br>@Thickness 1.59 mm | V-0<br>@Thickness 0.0625 in |           |

| Electrical Properties          | Metric           | English          | Comments  |
|--------------------------------|------------------|------------------|-----------|
| Surface Resistivity per Square | 1000 ohm - 1e+05 | 1000 ohm - 1e+05 | ASTM D648 |

## Contact Songhan Plastic Technology Co.,Ltd.

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