

## Ovation Polymers Nemcon™ E-CPC/X1 Polycarbonate Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

PC Alloy-ESD Range Electrical Conductivity with High HDT and improved processability. Information provided by Ovation Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ovation-Polymers-Nemcon-E-CPCX1-Polycarbonate-Alloy.php](http://www.lookpolymers.com/polymer_Ovation-Polymers-Nemcon-E-CPCX1-Polycarbonate-Alloy.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.26 g/cc | 1.26 g/cc | ASTM D792 |

| Mechanical Properties     | Metric                             | English                                | Comments                          |
|---------------------------|------------------------------------|----------------------------------------|-----------------------------------|
| Tensile Strength at Break | 67.0 MPa                           | 9720 psi                               | 50 mm/min; ASTM D638              |
| Tensile Strength, Yield   | 68.0 MPa                           | 9860 psi                               | 50 mm/min; ASTM D638              |
| Elongation at Break       | 5.0 %                              | 5.0 %                                  | 50 mm/min; ASTM D638              |
| Tensile Modulus           | 2.40 GPa                           | 348 ksi                                | 50 mm/min; ASTM D638              |
| Flexural Strength         | 125 MPa                            | 18100 psi                              | 1.3 mm/min, 50 mm span; ASTM D790 |
| Flexural Modulus          | 3.20 GPa                           | 464 ksi                                | 1.3 mm/min, 50 mm span; ASTM D790 |
| Izod Impact, Notched      | 0.500 J/cm<br>@Temperature 23.0 °C | 0.937 ft-lb/in<br>@Temperature 73.4 °F | ASTM D256                         |

| Thermal Properties                          | Metric                       | English                       | Comments              |
|---------------------------------------------|------------------------------|-------------------------------|-----------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 131 °C<br>@Thickness 3.20 mm | 268 °F<br>@Thickness 0.126 in | unannealed; ASTM D648 |

| Electrical Properties          | Metric       | English      | Comments  |
|--------------------------------|--------------|--------------|-----------|
| Surface Resistivity per Square | <= 80000 ohm | <= 80000 ohm | ASTM D257 |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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