

## TECHNICAL DATA SHEET

### Gloss/Gloss Polycarbonate Film

Product Name & No: **VX11**



### Product Description

PolyLine VX11 polycarbonate film offers excellent clarity in all thicknesses, high heat resistance and superior dimensional stability for graphic art applications. Derived from one of the world's toughest polymers. PolyLine VX11 provides high gloss finish. Additional enhancements allow improved gauge control.

### Product Datasheet

| Item         | Property                         | Value    | Unit                  | Test Method |
|--------------|----------------------------------|----------|-----------------------|-------------|
| Physical     | Density                          | 1.32     | g/cm <sup>3</sup>     | ISO 1183    |
|              | Haze                             | <0.5     | %                     | ASTM D1003  |
|              | Light Transmission               | 89       | %                     | ASTM D1003  |
| Mechanical   | Tensile Strength                 | 60       | MPa                   | ISO 527     |
|              | Elongation                       | <50      | %                     | ISO 527     |
|              | Bend Strength                    | 90       | MPa                   | ISO 178     |
|              | Tensile Modulus                  | 2300     | MPa                   | ISO 178     |
|              | Surface Tension                  | ≥34      | dyn/cm                | Test Fluid  |
| Electrical   | Dielectric Constant              | 3        | -                     | IEC60250    |
|              | Resistant Puncture Voltage       | 30       | MV/mm                 | IEC60243    |
|              | Surface Resistivity              | 1.00E+16 | Ω/square              | IEC60093    |
|              | Volume Resistivity               | 1.00E+17 | Ω-cm                  | IEC60093    |
| Thermal      | Coefficient of Thermal Expansion | 5.8      | x10 <sup>-5</sup> /°C | ISO 11359   |
|              | Thermal Conductivity Rate        | 0.2      | W/(m*K)               | ASTM D5470  |
|              | Thermal Shrinkage                | 0.5-0.7  | %                     | ASTM D1204  |
|              | Tg                               | 152      | °C                    | ISO306      |
| Flammability | Grade of Resistant Flame         | V-0      | E249605               |             |

Tip: This test data is for reference only, not as an absolute application index.