

## CEN® Electronic Material CN Polyimide Film, 2 Mil Thickness

Category : Polymer , Thermoset , Polyimide, TS , Polyimide, Thermoset Film

### Material Notes:

CEN®CN polyimide film is typical general-purpose polyimide film and has been used successfully in applications at temperatures as low as -269°C (-452°F) and as high as 400°C (752°F). CN film can be laminated, metallized, punched, formed or adhesive coated. CEN®CN is used for applications that require an all-polyimide film with an excellent balance of properties over a wide range of temperatures. Applications: mechanical parts, electronic parts, electrical insulation, pressure sensitive tape, fiber optics cable, insulation blankets, insulation tubing, automotive diaphragms sensors and manifolds. All information provided by CEN Electronic Material Co., LTD.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CEN-Electronic-Material-CN-Polyimide-Film-2-Mil-Thickness.php](http://www.lookpolymers.com/polymer_CEN-Electronic-Material-CN-Polyimide-Film-2-Mil-Thickness.php)

| Physical Properties | Metric              | English         | Comments |
|---------------------|---------------------|-----------------|----------|
| Thickness           | 46.0 - 54.0 microns | 1.81 - 2.13 mil |          |

| Mechanical Properties              | Metric  | English   | Comments |
|------------------------------------|---------|-----------|----------|
| Film Tensile Strength at Yield, MD | 145 MPa | 21000 psi |          |
| Film Tensile Strength at Yield, TD | 135 MPa | 19600 psi |          |
| Film Elongation at Yield, MD       | >= 45 % | >= 45 %   |          |
| Film Elongation at Yield, TD       | >= 45 % | >= 45 %   |          |

| Electrical Properties | Metric             | English            | Comments |
|-----------------------|--------------------|--------------------|----------|
| Volume Resistivity    | >= 8.00e+13 ohm-cm | >= 8.00e+13 ohm-cm |          |
| Surface Resistance    | >= 8.00e+14 ohm    | >= 8.00e+14 ohm    |          |
| Dielectric Strength   | >= 180 kV/mm       | >= 4570 kV/in      |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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