



**IPG # 54113**  
**Polyester Film Electrical Tape**

**Product Description:** IPG 54113 utilizes a 1.0 mil polyester backing with a thermosetting acrylic adhesive. The tape exhibits high temperature shear resistance when thermoset. The backing provides abrasion and puncture resistance and excellent insulating properties.

**Applications:** Coil wrapping, tabbing and anchoring, inter-layer insulating. Ideal for film wrap capacitors. High dielectric properties and total material thickness makes this tape unique where maximum insulation build up is required.

**Technical Data:**

<b>Backing :</b>	<b>Polyester</b>	<b>Color:</b>	<b>Clear &amp; Yellow</b>
<b>Backing Thickness:</b>	<b>1.0 mil</b>	<b>Adhesive:</b>	<b>Thermosetting Acrylic</b>
<b>Total Thickness:</b>	<b>2.4 mil (0.060 mm)</b>	<b>Dielectric Strength:</b>	<b>5000 Volts</b>
<b>Temp. Class:</b>	<b>130°C / B</b>	<b>Insulation Resistance:</b>	<b>10<sup>6</sup> megohms</b>
<b>Tensile Strength:</b>	<b>25 lbs/in (110 N/25mm)</b>	<b>Adhesion to Steel:</b>	<b>45 oz/in (12.3 N/25mm)</b>
<b>Elongation:</b>	<b>100%</b>	<b>Storage Stability:</b>	<b>Very Good</b>
<b>Electrolytic Corrosion</b>	<b>1.0 Direct/A , 1*</b>	<b>Solvent Resistance:</b>	<b>Excellent</b>
<b>Flammability</b>	<b>BU 1*</b>	<b>Moisture Resistance:</b>	<b>Excellent</b>
<b>UL File #</b>	<b>E20780</b>		

\*VDE 0340

Figures shown are averages and should not be used for writing specifications. Similar test conducted on any individual sample may vary in results. Tests are conducted in accordance with ASTM D1000 where applicable.

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