



**IPG # 51594**  
**Polyester Film Electrical Tape**

**Product Description:** IPG #51594 utilizes a 1.0 mil Polyester backing with a thermosetting rubber adhesive system. The rubber adhesive system provides high initial adhesion and when thermoset exhibits good chemical and solvent resistance. The backing provides conformability, abrasion and puncture resistance and excellent insulating properties.

**Applications:** Coil wrapping, interlayer insulation, tabbing. It is especially user friendly on fine gauge magnet wire.

**Technical Data:**

<b>Backing :</b>	<b>Polyester Film</b>	<b>Color:</b>	<b>Lemon Yellow</b>
<b>Backing Thickness:</b>	<b>1.0 mil</b>	<b>Adhesive:</b>	<b>Rubber Thermosetting</b>
<b>Total Thickness:</b>	<b>2.0 mil (0.051 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>5</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>Very Good</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.

**NOTICE:** While we believe them to be reliable, the statements and information herein are only for general guidance and are not warrants or guarantees for accuracy and completeness. The user must by test or otherwise determine suitability for his purpose. THERE IS NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, Our standard terms and conditions of sale apply exclusively to all orders, and ALL LIABILITY FOR DAMAGES OF ANY KIND, INCLUDING CONSEQUENTIAL, EXCEEDING PURCHASE PRICE IS EXCLUDED. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products and publications.

03/06