



## IPG® (Intertape®) 51594

IPG® (Intertape®) 51594 is a PET Film Electrical Tape with a 1 mil polyester backing and thermosetting rubber adhesive. The rubber adhesive 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.

### Nominal Values

<b>Backing</b>	PET Film
<b>Backing Thickness</b>	0,025 mm
<b>Adhesive Type</b>	Natural Rubber, thermosetting
<b>Total Thickness</b>	0,051 mm
<b>Insulation Class</b>	B 130°C (DIN EN 60085, OANZ2 & OANZ8)
<b>Color</b>	Yellow (17)
<b>Adhesion to Steel</b>	12,30 N/25 mm
<b>Tensile Strength</b>	110,00 N/25 mm
<b>Elongation at Break</b>	100%
<b>Dielectric Strength</b>	5000 V
<b>Insulation Resistance (megaΩ)</b>	10 <sup>5</sup> Ω
<b>Electrolytic Corrosion</b>	A1,0
<b>Flammability</b>	BU1
<b>UL-File #</b>	E20780
<b>Length</b>	66 m, other lengths and spools upon request
<b>Width</b>	6 mm, 9 mm, 12 mm, 15 mm, 19 mm, 25 mm, 30 mm, 38 mm, 50 mm, other widths upon request
<b>Storage Life</b>	The material can be stored at room temperature for at least 12 months.
<b>Effective</b>	02 May 2022

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### Applications

- Coil wrapping
- Tapping
- Inter-layer insulating
- Fine gauge magnet wire

### Storage Conditions

The Rolls should be stored in their packaging protected from light and at a temperature between 18°C to 24°C, with a relative humidity of 40% to 50%. When using an adhesive tape stored below 18°C, it is advisable to keep the tape at room temperature for 24 hours to preserve its characteristics.

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