



# 46 Electrical Tape

Polyester Film/Glass Filaments, Reinforced  
Backing with Thermosetting Rubber, Pressure  
Sensitive Adhesive

## Data Sheet

High tensile strength  
High dielectric strength  
UL recognized Class B (130°C)

3M™ 46 Electrical Tape is a polyester film/glass filament tape coated with a thermosetting, pressure-sensitive rubber adhesive system. The polyester film/glass backing has excellent physical and electrical characteristics. 46 tape is especially suited for such applications as lead anchoring and banding of coils where high edge-tear resistance and low stretch under application tension are needed.

| Properties                                 | Typical Values*           |
|--------------------------------------------|---------------------------|
| Caliper <sup>1</sup>                       | 7.0 mils (.177 mm)        |
| Breaking Strength <sup>1</sup>             | 275 lbs./in (481 N/10 mm) |
| Elongation                                 | 5%                        |
| Adhesion to Steel <sup>1</sup>             | 50 oz/in (5.4 N/10 mm)    |
| Dielectric Strength <sup>1</sup>           | 5500V                     |
| Insulation Resistance <sup>1</sup>         | 3x10 <sup>3</sup> megohms |
| Electrolytic Corrosion Factor <sup>2</sup> | 1.0 ratio                 |

\*All values are averages based on several determinations and not intended for specification purposes. Product specifications will be provided upon request.

Test methods: <sup>1</sup> ASTM D-1000

<sup>2</sup> 3M Test Method - available upon request

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