

Technical Product Data Sheet

Intertape® 51594



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

Backing PET Film

Backing Thickness 0,025 mm

Adhesive Type Natural Rubber, thermosetting

Total Thickness 0,051 mm

Insulation Class B 130°C (DIN EN 60085, OANZ2 & OANZ8)

Color | Yellow (17)

Adhesion to Steel | 12,30 N/25 mm

Tensile Strength 110,00 N/25 mm

Elongation at Break 100%

Dielectric Strength 5000 V

Insulation Resistance (mega Ω) 10⁵ Ω

Electrolytic Corrosion A1,0

Flammability | BU1

UL-File # | E20780

Length 66 m, other lengths and spools upon request

Width 6 mm, 9 mm, 12 mm, 15 mm, 19 mm, 25 mm, 30 mm, 38 mm, 50 mm, other

widths upon request

Storage Life The material can be stored at room temperature for at least 12 months.

Effective 02 May 2022















DE-79227 Schallstadt



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Applications

- Coil wrapping
- Tabbing
- 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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We provide the technical data of our products to the best of our knowledge, but without obligation. Due to the wide range of material and environmental influences, we recommend a suitability test on original products prior to use. Please also note the







standard processing guidelines for adhesive tapes, which we will gladly send you upon request.