

Technical Product Data Sheet

Intertape® 4428



Intertape® 4428 is a polyimide film electrical tape. Polyimide backing and silicone adhesive offers outstanding thermal resistance and excellent electrical insulating properties. This tape is used where toughness, Puncture resistance, extreme resistance to heat, and flame retardance are required.

Nominal Values

Backing Polyimide Film

Backing Thickness 0,025 mm

Adhesive Type | Silicone, thermosetting

Total Thickness 0,064 mm

Insulation Class H 180°C (DIN EN 60085, OANZ2 & OANZ8)

Color Amber (00)

Adhesion to Steel 6,80 N/25 mm

Tensile Strength 131,00 N/25 mm

Elongation at Break 80%

Dielectric Strength 6900 V

Insulation Resistance (mega Ω) 10⁶ Ω

Electrolytic Corrosion A1,0

Flammability BU1

UL-File # | E20780

CSA-File # LR94980

Length 33 m, other lengths 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 04 December 2019



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.











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Applications

- On gold fingers for protection in wave soldering
- Ground barrier and phase insulation in high performance torroidal coils
- Outer wrap on small bobbin wound coils
- Form wound coils for traction motors

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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