

volzElektro 1018



volzElektro 1018 is a Kapton® Polyimide Silicon Adhesive Tape manufactured of a 25µm Kapton® polyimide film single coated with a cured silicone adhesive system, 60µm total thickness. Recommended for a variety of high temperature protection and insulation applications (180°C thermal class H).

Nominal Values

Backing	Kapton®, Polyimide Film
Backing Thickness	0,025 mm, (1.0 mil)
Adhesive Type	Silicone
Total Thickness	0,060 mm, (2.36 mil)
Insulation Class	H 180°C (DIN EN 60085, OANZ2 & OANZ8)
Color	Amber (00)
Adhesion to Steel	6,30 N/25 mm, (min. 4,4 N/25 mm)
Tensile Strength	100,00 N/25 mm, (min. 84,50 N/25 mm)
Elongation at Break	60%
Dielectric Strength	6350 V
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, 1000 mm, other widths upon request
Storage Life	The material can be stored at room temperature for at least 12 months.
Effective	28 July 2020



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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Technical Product Data Sheet

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Applications

• On gold fingers for protection in wave soldering

COATING

CONVERTING DISTRIBUTION

- Masking of PCB gold fingers and pRotecting plug-in connectors and switches during wave soldering
- High-temperature masking
- Bundling and fixing components (thermo switches) exposed to high temperatures
- For electrical insulation of coils, transformers, wires and cables for class H (180°C) applications

Benefits

- Good resistance to most alcohols, esters, ketones and oils
- Removes cleanly and in one piece after being exposed to high temperatures
- High strength backing provides superior puncture, tear and abrasion resistance
- Resistant to chemical attack
- Excellent thin electrical insulation
- UL 510 approval, Flame retardant
- Can be used short term up to temperatures of 400°C
- Resists baking temperatures up to 260°C for 20 min

Storage Conditions

The Rolls should be stored in their packaging protected from light and at a temperature between 15°C to 24°C, with a relative humidity of 50% +/- 30%. When using an adhesive tape stored below 15°C, it is advisable to keep the tape at room temperature for 24 hours to preserve its characteristics.

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