

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

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Applications

- On gold fingers for protection in wave soldering
- 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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