

## 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**

<b>Backing</b>	Kapton®, Polyimide Film
<b>Backing Thickness</b>	0,025 mm, (1.0 mil)
<b>Adhesive Type</b>	Silicone
<b>Total Thickness</b>	0,060 mm, (2.36 mil)
<b>Insulation Class</b>	H 180°C (DIN EN 60085, OANZ2 & OANZ8)
<b>Color</b>	Amber (00)
<b>Adhesion to Steel</b>	6,30 N/25 mm, (min. 4,4 N/25 mm)
<b>Tensile Strength</b>	100,00 N/25 mm, (min. 84,50 N/25 mm)
<b>Elongation at Break</b>	60%
<b>Dielectric Strength</b>	6350 V
<b>Length</b>	33 m, other lengths upon request
<b>Width</b>	6 mm, 9 mm, 12 mm, 15 mm, 19 mm, 25 mm, 30 mm, 38 mm, 50 mm, 1000 mm, other widths upon request
<b>Storage Life</b>	The material can be stored at room temperature for at least 12 months.
<b>Effective</b>	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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