

## volzElektro 1018 DS



volzElektro 1018-DS is a polyimide film, coated on both sides with a high-temperature resistant, thermosetting, silicone adhesive. volzElektro 1018-DS has a polyester liner. The tape is versatile in protective and electrical insulation applications in the high-temperature range (200°C insulation class N).

### Nominal Values

<b>Manufacturer</b>	VOLZ®
<b>Backing</b>	Polyimide Film, double-sided
<b>Backing Thickness</b>	0,025 mm
<b>Adhesive Type</b>	Silicone, thermosetting
<b>Total Thickness</b>	0,080 mm
<b>Insulation Class</b>	N 200°C (DIN EN 60085 & OANZ2), C (OANZ8)
<b>Color</b>	Amber (00)
<b>Adhesion to Steel</b>	A: 12,70 N/25 mm, I: 1,50 N/25 mm
<b>Tensile Strength</b>	127,00 N/25 mm
<b>Elongation at Break</b>	70%
<b>Breakdown Voltage</b>	6500 V
<b>UL-File #</b>	E338128
<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, 1030 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>	16 February 2021

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### Applications

- Covering PCB boards and protecting headers during wave soldering
- Bonding of components to PCB boards
- High temperature protection
- Bundling and fixing of components exposed to high temperatures
- Electrical insulation of coils, transformers, wires, and cables for applications at insulation class N (200°C)

### Benefits

- Good resistance to most alcohols, esters, ketones and oils
- Can be removed in one piece without residue after exposure to high temperatures
- Reinforced cover provides higher resistance to shearing, shearing forces, and abrasion
- Chemically resistant
- Excellent electrical insulating properties
- Flame retardant
- Short-term thermoresistant up to 315°C
- No discoloration on materials
- Different adhesion values on both sides

### 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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