

# **Technical Product Data Sheet**

## 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**

**Backing** Polyimide Film, double-sided

**Backing Thickness** 0,025 mm

**Adhesive Type** | Silicone, thermosetting

**Total Thickness** 0,080 mm

**Insulation Class** N 200°C (DIN EN 60085 & OANZ2), C (OANZ8)

Color | Amber (00)

**Adhesion to Steel** A: 12,70 N/25 mm, I: 1,50 N/25 mm

**Tensile Strength** 127,00 N/25 mm

**Elongation at Break** 70%

**Dielectric Strength** 6500 V

**UL-File #** | E338128

**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, 1030

mm, other widths upon request

**Storage Life** The material can be stored at room temperature for at least 12 months.

**Effective** 16 February 2021





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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











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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**

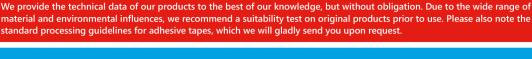
- Good resistance to most alcohols, esters, ketones and oils
- Can be removed in one piece without residue after exposure to high temperatures
- Reinforced cover provides higher resistance to shearing, shearing forces, and abrasion
- Chemically resistant
- Excellent electrical insulating properties
- 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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