

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





DE-79227 Schallstadt



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











Technical Product Data Sheet

volzElektro 1018 DS



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

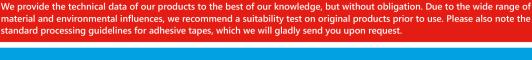
- Good resistance to most alcohols, esters, ketones and oils
- Can be removed in one piece without residue after exposure to high temperatures
- Reinforced cover provides higher resistance to shearing, shearing forces, and abrasion
- Chemically resistant
- Excellent electrical insulating properties
-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

Print Date: 28.10.2025













DE-79227 Schallstadt