

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	double-sided, Polyimide Film
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 (N/25mm)	A: 12,70 N/25 mm, I: 1,50 N/25 mm
Tensile Strength	127,00 N/25 mm
Elongation at Break	70%
Breakdown Voltage (Veff VDE 0303)	6500 V
UL-File Number	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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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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