volzElektro 1018 PV3



volzElektro 1018 PV3 is a polyimide Apical® film electrical tape with a thermosetting, silicone adhesive. volzElektro 1018 PV3 can pRotect gold contacts of PCB during wave soldering and hot air leveling process. It is also designed for insulating coils at high temperatures, as well as for generators, capacitors, and transformers. It has excellent insulating properties. Apical® is a trademark of KANEKA, Japan.

Nominal Values

Backing	Apical®, Polyimide Film
Backing Thickness	0,025 mm
Adhesive Type	Silicone, thermosetting
Total Thickness	0,064 mm
Insulation Class	N 200°C (DIN EN 60085 & OANZ2), C (OANZ8)
Color	Amber (00)
Adhesion to Steel	5,90 N/25 mm
Tensile Strength	123,00 N/25 mm
Elongation at Break	80%
Dielectric Strength	7000 V
UL-File #	E338128
Length	33 m, 66 m, other lengths upon request
Width	6 mm, 9 mm, 12 mm, 15 mm, 19 mm, 25 mm, 30 mm, 38 mm, 50 mm, 495 mm, 1000 mm, other widths upon request
Storage Life	The material can be stored at room temperature for at least 12 months.
Effective	15 February 2021

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 standard processing guidelines for adhesive tapes, which we will gladly send you upon request.

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Applications

- On gold fingers for protection in wave soldering
- Ground barrier and phase insulation in high performance torroidal coils
- Outer wrap on small bobbin wound coils and on form wound coils for traction motors
- Core and inter-layer insulation in tranformers
- Final bandaging of coils
- Taping of coreless coils
- Contact protection against current carrying conductors

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 260°C
- Very high breakdown voltage

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: 10.11.2026

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