volzElektro 1018 PV4



volzElektro 1018 PV4 is a Kapton® CR Film Electrical Tape (Corona resistant) manufactured from Kapton® film with a high-performing, thermosetting, silicone adhesive. volzElektro 1018 PV4 can pRotect gold contacts of PCB during wave soldering and the hot air leveling process. It is also designed for insulating coil at high temperatures as well as for products like generators, capacitors, and transformes. volzElektro 1018 PV4 has UL-registration under # E338128.

Nominal Values

Backing	Kapton®, CR (Corona resitant), 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	137,00 N/25 mm
Elongation at Break	80%
Dielectric Strength	7000 V
Temperature Resistance	-73°C to +260°C
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, 495 mm, other widths upon request
Storage Life	The material can be stored at room temperature for at least 12 months.
Effective	08 April 2024

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.

Volz Selbstklebetecknik GmbH
Fischerinsel 3
DE-79227 Schallstadt
Phone: +49 (0)7664 50500-0
Fax: +49 (0)7664 50500-50
info@volztapes.com
www.volztapes.com

volzElektro 1018 PV4



Applications

- Veneering for high temperatures
- Bundling and fixing of components (thermal switches) exposed to high temperatures
- Electrical insulation of coils, transformers, conductors, and cables for class N applications (200°C)
- Veneering of PCB gold contacts and protection of plug contacts and switches during soldering

Benefits

- Good resistance to most alcohols, esters, ketones and oils
- Clean, residue-free removal in one piece after exposure to high temperatures
- High-strength backing provides superior puncture, tear and abrasion resistance
- Chemical resistant
- Excellent thin electrical insulation
- Flame retardant
- Temperature resistance: 200°C continuous - thermal class N.

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: 19.11.2026

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.

Volz Selbstklebetechnik GmbH
Fischerinsel 3
DE-79227 Schallstadt
Phone: +49 (0)7664 50500-0
Fax: +49 (0)7664 50500-50
info@volztapes.com
www.volztapes.com