

## volzElektro 1019 PV1



volzElektro 1019 PV1 is a Kapton® CR (Corona resistant), coated on one side with a high-performance, thermosetting silicone adhesive. volzElektro 1019 PV1 can protect gold contacts (PCB) during wave soldering and hot air leveling processes. It is also designed for insulating coils at high temperatures, as well as for generators, capacitors and transformers. volzElektro 1019 PV1 has UL-registration under E338128.

### Nominal Values

<b>Backing</b>	Kapton®, CR (Corona resistant), Polyimide Film
<b>Backing Thickness</b>	0,050 mm
<b>Adhesive Type</b>	Silicone, thermosetting
<b>Total Thickness</b>	0,090 mm, min.: 0,085 mm (3.4 mil)
<b>Insulation Class</b>	N 200°C (DIN EN 60085 & OANZ2), C (OANZ8)
<b>Color</b>	Amber (00)
<b>Adhesion to Steel</b>	5,90 N/25 mm, min.: 5,60 N/25 mm
<b>Tensile Strength</b>	245,00 N/25 mm, min.: 176,00 N/25 mm
<b>Elongation at Break</b>	60%, min.: 50%
<b>Dielectric Strength</b>	> 8000 V, min.: 7000V
<b>Temperature Resistance</b>	-73°C to +260°C
<b>UL-File #</b>	E338128
<b>Length</b>	33 m, other lengths upon request
<b>Width</b>	6 mm, 9 mm, 12 mm, 15 mm, 19 mm, 25 mm, 30 mm, 38 mm, 50 mm, 495 mm, other widths upon request
<b>Storage Life</b>	The material can be stored at room temperature for at least 12 months.
<b>Effective</b>	29 April 2021

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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 Form wound coils for traction motors
- Core and inter-layer insulation in transformers
- Final bandaging of coils
- Taping of coreless coils
- Contact protection against current carrying conductors
- Splicing of Films and Foils

### Benefits

- Excellent mechanical and electrical properties
- High conformability
- Good adhesive properties, excellent holding and packaging properties

### 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: 01.05.2026