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

Backing	Kapton®, CR (Corona resitant), Polyimide Film
Backing Thickness	0,050 mm
Adhesive Type	Silicone, thermosetting
Total Thickness	0,090 mm, min.: 0,085 mm (3.4 mil)
Insulation Class	N 200°C (DIN EN 60085 & OANZ2), C (OANZ8)
Color	Amber (00)
Adhesion to Steel	5,90 N/25 mm, min.: 5,60 N/25 mm
Tensile Strength	245,00 N/25 mm, min.: 176,00 N/25 mm
Elongation at Break	60%, min.: 50%
Dielectric Strength	> 8000 V, min.: 7000V
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	29 April 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 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
- 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.

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