

volzElektro 1018 PV2



volzElektro 1018 PV2 is a polyimide film electrical tape manufactured from a polyimide film with special thermosetting silicone adhesive. volzElektro 1018 PV2 can protect gold contacts of PCB during wave soldering and hot air leveling process. It is also designed for insulating coil at high temperatures as well as for the products like generators, capacitors and transformers.

Nominal Values

| | |
|----------------------------|---|
| Backing | Polyimide Film |
| Backing Thickness | 0,025 mm |
| Adhesive Type | Silicone, thermosetting |
| Total Thickness | 0,055 mm |
| Insulation Class | N 200°C (DIN EN 60085 & OANZ2), C (OANZ8) |
| Color | Amber (00) |
| Adhesion to Steel | 6,00 N/25 mm |
| Tensile Strength | 113,00 N/25 mm |
| Elongation at Break | 70% |
| Dielectric Strength | 5500 V |
| 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, 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 |

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Applications

- Covering PCB boards and protecting headers during wave soldering
- 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 260°C

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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