



## IPG® (Intertape®) 51599 PV1

IPG® (Intertape®) 51599 PV1 is a PET Film / glass filament reinforced electrical insulation tape. It has a high tensile-strength, a conformable backing with aggressive adhesive, and is applicable for a variety of heavy duty insulating and holding applications. This tape is very resistant to chemicals, solvents and aging, and offers high dielectric strength and insulation resistance.

### Nominal Values

|                                      |  |
|--------------------------------------|--|
| <b>Backing</b>                       | PET Laminate, PET Film, Glass Filament   |
| <b>Backing Thickness</b>             | 0,127 mm   |
| <b>Adhesive Type</b>                 | Natural Rubber, thermosetting  |
| <b>Total Thickness</b>               | 0,178 mm   |
| <b>Insulation Class</b>              | B 130°C (DIN EN 60085, OANZ2 & OANZ8)  |
| <b>Color</b>                         | Beige (24)   |
| <b>Adhesion to Steel</b>             | 15,00 N/25 mm  |
| <b>Tensile Strength</b>              | 1500,00 N/25 mm  |
| <b>Elongation at Break</b>           | 5%   |
| <b>Dielectric Strength</b>           | 5000 V   |
| <b>Insulation Resistance (megaΩ)</b> | 10 <sup>5</sup> Ω  |
| <b>Electrolytic Corrosion</b>        | A1,0   |
| <b>Flammability</b>                  | BU2  |
| <b>UL-File #</b>                     | E20780   |
| <b>CSA-File #</b>                    | LR94980  |
| <b>Length</b>                        | 55 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, other widths upon request |
| <b>Storage Life</b>                  | The material can be stored at room temperature for at least 12 months.                 |
| <b>Effective</b>                     | 02 May 2022  |

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### Applications

- Transformers
- Coils and electric motors
- Bundling armature coils

### Storage Conditions

The Rolls should be stored in their packaging protected from light and at a temperature between 18°C to 24°C, with a relative humidity of 40% to 50%. When using an adhesive tape stored below 18°C, it is advisable to keep the tape at room temperature for 24 hours to preserve its characteristics.

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