



## IPG® (Intertape®) 4428

IPG® (Intertape®) 4428 is a polyimide film electrical tape. Polyimide backing and silicone adhesive offers outstanding thermal resistance and excellent electrical insulating properties. This tape is used where toughness, Puncture resistance, extreme resistance to heat, and flame retardance are required.

### Nominal Values

|                                      |                                                                                        |
|--------------------------------------|----------------------------------------------------------------------------------------|
| <b>Backing</b>                       | Polyimide Film                                                                         |
| <b>Backing Thickness</b>             | 0,025 mm                                                                               |
| <b>Adhesive Type</b>                 | Silicone, thermosetting                                                                |
| <b>Total Thickness</b>               | 0,064 mm                                                                               |
| <b>Insulation Class</b>              | H 180°C (DIN EN 60085, OANZ2 & OANZ8)                                                  |
| <b>Color</b>                         | Amber (00)                                                                             |
| <b>Adhesion to Steel</b>             | 6,80 N/25 mm                                                                           |
| <b>Tensile Strength</b>              | 131,00 N/25 mm                                                                         |
| <b>Elongation at Break</b>           | 80%                                                                                    |
| <b>Dielectric Strength</b>           | 6900 V                                                                                 |
| <b>Insulation Resistance (megaΩ)</b> | 10 <sup>6</sup> Ω                                                                      |
| <b>Electrolytic Corrosion</b>        | A1,0                                                                                   |
| <b>Flammability</b>                  | BU1                                                                                    |
| <b>UL-File #</b>                     | E20780                                                                                 |
| <b>CSA-File #</b>                    | LR94980                                                                                |
| <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, other widths upon request |
| <b>Storage Life</b>                  | The material can be stored at room temperature for at least 12 months.                 |
| <b>Effective</b>                     | 04 December 2019                                                                       |

## IPG® (Intertape®) 4428



### 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
- Form wound coils for traction motors

### 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.

Print Date: 11.05.2026