# tesa® 4950

tesa® 4950 is a high-performance, double-sided transparent PET film tape designed for reliable bonding on low surface energy (LSE) substrates. With a total thickness of 100µm and a 12µm PET backing made from 90% post-consumer recycled content, it combines sustainability with technical excellence. The tackified acrylic adhesive ensures strong initial tack and superior shear strength, even under demanding environmental conditions.

## Nominal Values

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|---|---|
| **Backing** | Recycled post-consumer PET film |
| **Backing Thickness** | 0,012 mm |
| **Adhesive Type** | modified Acrylic |
| **Total Thickness** | 0,100 mm (without Liner) |
| **Color** | Clear (00) |
| **Liner** | 80g/m² branded brown glassine paper (PV20), 126 g/m² white PE-coated (PV04) |
| **Adhesion to Steel** | 18,75 N/25 mm |
| **Tensile Strength** | 50 N/25 mm |
| **Elongation at Break** | 50% |
| **Temperature Resistance** | +200°C (short-term), +100°C (long-term) |
| **Length** | 50 m, other lengths upon request |
| **Width** | 6 mm, 9 mm, 12 mm, 15 mm, 19 mm, 25 mm, 30 mm, 38 mm, 50 mm, 1372 mm, other widths upon request |
| **Storage Life** | The material can be stored at room temperature for at least 12 months. |
| **Effective** | 01 August 2025 |

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

- Versatile bonding solution for a wide range of demanding industrial applications
- Enables primerless adhesion to low surface energy (LSE) substrates such as PP, PE, and EPDM
- Ideal for long-term mounting on hard-to-bond materials, including gaskets and molded components
- For industrial assembly where clean aesthetics, dimensional stability, and transparent bonding are critical

## Benefits

- LSE-Optimized Adhesion: Bonds reliably to PP, PE, and EPDM— no primer needed
- High Shear Strength: Holds strong under stress and heat for long-term durability
- Dimensional Stability: PET backing ensures clean handling and precise die-cuts
- Thermal Resistance: Withstands short-term exposure up to 200°C
- Low VOC: Tested to VDA 278 for cleaner indoor air.

## 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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