

## 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

<b>Backing</b>	Recycled post-consumer PET film
<b>Backing Thickness</b>	0,012 mm
<b>Adhesive Type</b>	modified Acrylic
<b>Total Thickness</b>	0,100 mm (without Liner)
<b>Color</b>	Clear (00)
<b>Liner</b>	80g/m <sup>2</sup> branded brown glassine paper (PV20), 126 g/m <sup>2</sup> white PE-coated (PV04)
<b>Adhesion to Steel</b>	18,75 N/25 mm
<b>Tensile Strength</b>	50 N/25 mm
<b>Elongation at Break</b>	50%
<b>Temperature Resistance</b>	+200°C (short-term), +100°C (long-term)
<b>Length</b>	50 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, 1372 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>	01 August 2025

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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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