

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

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/m ² branded brown glassine paper (PV20), 126 g/m ² white PE-coated (PV04)
Adhesion to Steel	18,75 N/25 mm
Tensile Strength	50 N/25 mm
Elongation at Break	50%
Temperature Resistance	#BEZUG!
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

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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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