

tesa® 4950

- LSE Filmic Mounting Tape



Product Information

100µm LSE double-sided transparent PET film tape

Product Description

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.

Sustainable Aspects

- 90% PCR PET in the backing
- Responsibly sourced paper liner (certified)



For more information: <https://www.tesa.com/product-sustainability>

Product Features

- 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.
- UL Certification: In accordance with UL standard 969. UL file: MH 18055

Application Fields

- 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

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Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

• Backing	Post consumer recycled PET	• Color	transparent
• Post-consumer recycled content of backing	90 %	• Color of liner	brown/blue logo
• Type of adhesive	tackified acrylic	• Thickness of liner	69 µm
• Total thickness	100 µm	• Weight of liner	80 g/m ²

Properties/Performance Values

• Elongation at break	50 %	• Static shear resistance at 40°C	very good
• Tensile strength	20 N/cm	• Static shear resistance at 70°C	very good
• Ageing resistance (UV)	good	• Tack	very good
• Chemical Resistance	good	• Temperature resistance long term	100 °C
• Humidity resistance	very good	• Temperature resistance min.	-40 °C
• Softener resistance	very good	• Temperature resistance short term	200 °C
• Static shear resistance at 23°C	very good		

Adhesion to Values

• PC (initial)	7 N/cm	• PP (initial)	6.6 N/cm
• PE (initial)	5 N/cm	• Steel (initial)	7.5 N/cm

Additional Information

Liner variants:

- PV04: white PE-coated liner (126µm; 126 g/m²)
- PV20: branded brown glassine paper (69µm; 80g/m²)

Low VOC – measured according to VDA 278 analysis, tesa[®] 4950 does not contain any single substances restricted by the drafted GB regulations (China).

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