tesa® 4950
LSE Filmic Mounting Tape

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.

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.

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

Sustainable Aspects

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

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

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

Properties/Performance Values

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

Adhesion to Values

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

Additional Information

Liner variants:

- **PV04**: white PE-coated liner (126µm; 126 g/m^2)
- **PV20:** branded brown glassine paper (69µm; 80g/m^2)

Low VOC – measured according to VDA 278 analysis, tesa® 4953 does not contain any single substances restricted by the drafted GB regulations (China).

Disclaimer

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