tesa® 4950

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

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

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 material	Post consumer recycled PET
• Bio-based carbon content of liner (acc. DIN EN 16640)	90 %
• Type of adhesive	tackified acrylic
• Total thickness	100 µm
• Colour	transparent
• Colour of liner	brown/blue logo
• Thickness of liner	69 µm
• Weight of liner	80 g/m²

For latest information on this product please visit http://l.tesa.com/?ip=4950

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Product Information

Properties/Performance Values

- Elongation at break 50 %
- Tensile strength 20 N/cm
- Ageing resistance (UV) good
- Chemical resistance good
- Humidity resistance very good
- Minimum temperature resistance -40 °C
- 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 duration 100 °C
- Temperature resistance short term duration 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

Disclaimer

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