



tesa® 4945

Product Information

50µm double sided transparent PCR PET film tape

Product Description

tesa® 4945 is a transparent, double-sided industrial mounting tape consisting of a PCR PET backing and a tackified acrylic adhesive. The double-sided mounting tape is used in various different industries, frequently used for bonding of metal or plastic badges and signs or lamination of foams. tesa® 4945 is able to withstand numerous environmental factors such as humidity, UV light, and temperatures of up to 200°C for limited periods of time. The tackified acrylic adhesive offers excellent hold on various surfaces, high tack, and good shear strength.

Product Features

- In accordance with UL standard 969
- Skin contact certification according to ISO 10993-5 and ISO 10993-10
- Reliable bond, often also on low surface energy surfaces
- Immediate usability right after assembly
- Low VOC – measured according to VDA 278 analysis

Application Fields

- tesa® 4945 is used in different industries
- Frequently used for mounting metal or plastic badges and signs
- Lamination of foams

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
• Type of liner	paper	• Weight of liner	80 g/m ²
• Total thickness	100 µm		



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Properties/Performance Values

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

Adhesion to Values

• ABS (initial)	5.3 N/cm	• PET (after 14 days)	7 N/cm
• ABS (after 14 days)	6.5 N/cm	• PP (initial)	3.3 N/cm
• Aluminium (initial)	5.2 N/cm	• PP (after 14 days)	4.8 N/cm
• Aluminium (after 14 days)	7.7 N/cm	• PS (initial)	5.4 N/cm
• PC (initial)	6.5 N/cm	• PS (after 14 days)	7.1 N/cm
• PC (after 14 days)	8.6 N/cm	• PVC (initial)	5.7 N/cm
• PE (initial)	3.1 N/cm	• PVC (after 14 days)	9.4 N/cm
• PE (after 14 days)	3.5 N/cm	• Steel (initial)	7 N/cm
• PET (initial)	5.3 N/cm	• Steel (after 14 days)	9.6 N/cm

Disclaimer

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