



tesa® 4945

Product Information



50µm double-sided transparent PET film tape

Product Description

tesa® 4945 is a transparent, double-sided industrial mounting tape consisting of a 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 material	PET	• Colour	transparent
• Type of adhesive	tackified acrylic	• Colour of liner	brown/blue logo
• Type of liner	glassine	• Thickness of liner	69 µm
• Total thickness	50 µm	• Weight of liner	80 g/m ²

Properties/Performance Values

• Elongation at break	50 %	• Softener resistance	good
• Tensile strength	20 N/cm	• Static shear resistance at 23°C	good
• Ageing resistance (UV)	good	• Static shear resistance at 40°C	good
• Chemical resistance	good	• Temperature resistance long term duration	100 °C
• Humidity resistance	very good	• Temperature resistance short term duration	200 °C
• Low VOC	yes		

For latest information on this product please visit <http://l.tesa.com/?ip=04945>



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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 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

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



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