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

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

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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
- Softener resistance good
- Static shear resistance at 23°C very good
- Static shear resistance at 40°C very good
- Tack good
- Temperature resistance long term 100 °C
- Temperature resistance min. -40 °C
- Temperature resistance short term 200 °C

Adhesion to Values

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

Disclaimer

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