



tesa® 4976

Product Information



Double-sided PU-foam tape

Product Description

tesa® 4976 is a double-sided tape consisting of a conformable, black, open-cell PU-foam backing and a tackified acrylic adhesive.

tesa® 4976 features especially:

- Good compensation for design tolerances
- Leveling out different thermal elongation of materials
- Shock absorption and sealing function
- High short-term temperature resistance

Application Fields

- Fixing of mirrors, decorative profiles and signs
- Mounting of cable channels

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	PU foam	• Color	black, beige
• Type of adhesive	tackified acrylic, acrylic, advanced acrylic, modified acrylic	• Thickness of liner	70 µm 2.8 mils
• Type of liner	glassine	• Weight of liner	80 g/m ²
• Total thickness	540 µm 21.3 mils		

Properties/Performance Values

• Elongation at break	250 %	• Static shear resistance at 40°C	good
• Tensile strength	6.66 N/cm 3.8 lbs/in	• Tack	good
• Ageing resistance (UV)	medium, good	• Temperature resistance long term	80 °C 176 °F
• Chemical resistance	medium, good	• Temperature resistance short term	200 °C 392 °F
• Static shear resistance at 23°C	good		



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Adhesion to Values

• ABS (initial)	7 N/cm 64 oz/in	• PET (after 14 days)	10 N/cm 91.4 oz/in
• ABS (after 14 days)	12 N/cm 109.6 oz/in	• PP (initial)	3.7 N/cm 33.8 oz/in
• Aluminium (initial)	5 N/cm 45.7 oz/in	• PP (after 14 days)	7.4 N/cm 67.6 oz/in
• Aluminium (after 14 days)	9 N/cm 82.2 oz/in	• PS (initial)	5 N/cm 45.7 oz/in
• PC (initial)	8 N/cm 73.1 oz/in	• PS (after 14 days)	10 N/cm 91.4 oz/in
• PC (after 14 days)	12 N/cm 109.6 oz/in	• PVC (initial)	5.5 N/cm 50.2 oz/in
• PE (initial)	4.1 N/cm 37.5 oz/in	• PVC (after 14 days)	12 N/cm 109.6 oz/in
• PE (after 14 days)	4.3 N/cm 39.3 oz/in	• Steel (initial)	10 N/cm 91.4 oz/in
• PET (initial)	5.5 N/cm 50.2 oz/in	• Steel (after 14 days)	12 N/cm 109.6 oz/in

Additional Information

Peel Adhesion:

- immediately: foam splitting on Steel, Aluminium, ABS, PC, PS, PET, PVC
- after 14 days: foam splitting on Steel, Aluminium, ABS, PC, PS, PET, PVC

Disclaimer

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