



tesa® 4976

Product Information



540 µm 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.

Product Features

- Good compensation for design tolerances
- Level 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 |
| • Type of adhesive | tackified acrylic | • Thickness of liner | 70 µm |
| • Type of liner | glassine | • Weight of liner | 80 g/m ² |
| • Total thickness | 540 µm | | |

Properties/Performance Values

- | | | | |
|-----------------------------------|-----------|-------------------------------------|--------|
| • Elongation at break | 250 % | • Static shear resistance at 40°C | good |
| • Tensile strength | 6.66 N/cm | • Tack | good |
| • Ageing resistance (UV) | medium | • Temperature resistance long term | 80 °C |
| • Chemical resistance | medium | • Temperature resistance short term | 200 °C |
| • Static shear resistance at 23°C | good | | |



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Adhesion to Values

• ABS (initial)	7 N/cm	• PET (after 14 days)	10 N/cm
• ABS (after 14 days)	12 N/cm	• PP (initial)	3.7 N/cm
• Aluminium (initial)	5 N/cm	• PP (after 14 days)	7.4 N/cm
• Aluminium (after 14 days)	9 N/cm	• PS (initial)	5 N/cm
• PC (initial)	8 N/cm	• PS (after 14 days)	10 N/cm
• PC (after 14 days)	12 N/cm	• PVC (initial)	5.5 N/cm
• PE (initial)	4.1 N/cm	• PVC (after 14 days)	12 N/cm
• PE (after 14 days)	4.3 N/cm	• Steel (initial)	10 N/cm
• PET (initial)	5.5 N/cm	• Steel (after 14 days)	12 N/cm

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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