

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	PU foam	• Color	black
• Type of adhesive	tackified acrylic	• Color of liner	brown
• Type of liner	glassine	• Thickness of liner	70 µm
• Total thickness	540 µm	• Weight of liner	80 g/m ²

Properties/Performance Values

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

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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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