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

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		2.8 mils
	21.3 mils	• Weight of liner	80 g/m²

For latest information on this product please visit http://l.tesa.com/?ip=04976

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Product Information

Properties/Performance Values

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

Adhesion to Values

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

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Disclaimer

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