

tesa® 4976

540 µm double sided PU foam tape

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

Product benefits:

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

Main Application

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

Technical Data

▪ Backing material	PU foam	▪ Tensile strength	6.66 N/cm
▪ Color	black	▪ Type of liner	glassine
▪ Total thickness	540 µm	▪ Colour of liner	brown
▪ Type of adhesive	tackified acrylic	▪ Thickness of liner	70 µm
▪ Elongation at break	250 %	▪ Weight of liner	80 g/m ²

Adhesion to

▪ Steel (initial)	10.0 N/cm	▪ Steel (after 14 days)	12.0 N/cm
▪ ABS (initial)	7.0 N/cm	▪ ABS (after 14 days)	12.0 N/cm
▪ Aluminium (initial)	5.0 N/cm	▪ Aluminium (after 14 days)	9.0 N/cm
▪ PC (initial)	8.0 N/cm	▪ PC (after 14 days)	12.0 N/cm
▪ PE (initial)	4.1 N/cm	▪ PE (after 14 days)	4.3 N/cm
▪ PET (initial)	5.5 N/cm	▪ PET (after 14 days)	10.0 N/cm
▪ PP (initial)	3.7 N/cm	▪ PP (after 14 days)	7.4 N/cm
▪ PS (initial)	5.0 N/cm	▪ PS (after 14 days)	10.0 N/cm
▪ PVC (initial)	5.5 N/cm	▪ PVC (after 14 days)	12.0 N/cm

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

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Properties

▪ Temperature resistance short term	200 °C	▪ Resistance to chemicals	●●
▪ Temperature resistance long term	80 °C	▪ Softener resistance	●●
▪ Tack	●●●	▪ Static shear resistance at 23°C	●●●
▪ Ageing resistance (UV)	●●	▪ Static shear resistance at 40°C	●●●
▪ Humidity resistance	●		

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

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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