

# tesa® 4976

Double-sided PU-foam tape

PRODUCT INFORMATION

## 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
- 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
■ Colour	black	■ Type of liner	glassine
■ Total thickness	540 µm	■ Thickness of liner	70 µm
■ Type of adhesive	tackified acrylic	■ Colour of liner	brown
■ Elongation at break	250 %	■ Weight of liner	80 g/m <sup>2</sup>

## 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

## Properties

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

Evaluation across relevant tesa® assortment: ++ very good, + good, o medium, - low

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tesa SE  
A Beiersdorf Company

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tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to advise you.

#### Additional Info

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

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

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