

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	•	Colour	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	80 °C
•	Chemical resistance	medium		term duration	
•	Static shear resistance at 23°C	good	•	Temperature resistance short	200°C
				term duration	



tesa® 4976

Product Information

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

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 support you.

