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	Color	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 term	80 °C
Chemical resistance	medium		
Static shear resistance at 23°C	good	Temperature resistance short term	200 °C

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

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Adhesion to Values

- ABS (initial) 7 N/cm
- ABS (after 14 days) 12 N/cm
- Aluminium (initial) 5 N/cm
- Aluminium (after 14 days) 9 N/cm
- PC (initial) 8 N/cm
- PC (after 14 days) 12 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 N/cm
- PP (initial) 3.7 N/cm
- PP (after 14 days) 7.4 N/cm
- PS (initial) 5 N/cm
- PS (after 14 days) 10 N/cm
- PVC (initial) 5.5 N/cm
- PVC (after 14 days) 12 N/cm
- Steel (initial) 10 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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