

Product Information

1150 µm double sided PE foam tape

tesa® 4952 is a double sided PE foam tape for constructive mounting applications. It consists of a highly conformable PE foam backing and a tackified acrylic adhesive. tesa® 4952 has been externally certified for furniture mirror mounting.

Features

- Versatile adhesive for high immediate adhesion on numerous substrates
- Fully outdoor suitable: UV, water and ageing resistant
- Compensates for differing thermal expansion of dissimilar materials
- High immediate bonding strength even at low bonding pressure
- Very good cold shock absorption

Main Application

- Furniture mirror mounting
- Mounting of car mirrors
- Mounting functional trims & profiles
- Mounting of decorative panels

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Technical Data

• Backing material	PE foam	• Tensile strength	10 N/cm
• Color	white	• Type of liner	glassine
• Total thickness	1150 µm	• Color of liner	brown
• Type of adhesive	tackified acrylic	• Thickness of liner	70 µm
• Elongation at break	200 %	• Weight of liner	80 g/m ²

Adhesion to

• Steel (initial)	6.5 N/cm	• Steel (after 14 days)	8.0 N/cm
• ABS (initial)	5.0 N/cm	• ABS (after 14 days)	8.0 N/cm
• Aluminium (initial)	5.0 N/cm	• Aluminium (after 14 days)	8.0 N/cm
• PC (initial)	5.0 N/cm	• PC (after 14 days)	8.0 N/cm
• PE (initial)	2.7 N/cm	• PE (after 14 days)	2.8 N/cm
• PET (initial)	5.0 N/cm	• PET (after 14 days)	7.0 N/cm
• PP (initial)	2.8 N/cm	• PP (after 14 days)	5.5 N/cm
• PS (initial)	5.0 N/cm	• PS (after 14 days)	7.5 N/cm
• PVC (initial)	5.0 N/cm	• PVC (after 14 days)	8.0 N/cm

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Properties

• Temperature resistance short term	80 °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

tesa® 4952 has been tested and approved by LGA institute for mirror mounting. Report number IWQ FSG 329 1189.

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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