



# tesa® 4957

## Product Information



### Double-sided PE-foam mounting tape

#### Product Description

tesa® 4957 is a double sided PE foam tape, consisting of a highly conformable closed cell PE-foam backing and a tackified acrylic adhesive. The foam tape offers a highly versatile adhesive for high immediate adhesion on numerous types of substrates and high immediate bonding strength even at low bonding pressure. tesa® 4957 features excellent resistance to water, UV and ageing, making it fully suitable for outdoor use. The double sided foam tape is capable of compensating for different thermal expansions of different materials. tesa® 4957 features excellent cold shock absorption. tesa® 4957 is ideally used for general mounting applications and has been externally certified for furniture mirror mounting. tesa® 4957 has also been tested and approved by the IFT institute for window bar mounting.

#### Product 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

#### Applications

- tesa® 4957 is used for general mounting applications
- The double sided tape is used for POS displays and exhibition sample displays
- The tape is used for shelf edge labels
- The PE-foam tape is used for cable channels, window bars and window skirting trims
- tesa® 4957 is used for decorative glass or mirror elements on furniture
- The tape can be used for solar module frames

#### Technical Information (average values)

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

#### Applications

- |                    |                   |                   |             |
|--------------------|-------------------|-------------------|-------------|
| • Backing          | PE foam           | • Total thickness | 1100 µm     |
| • Type of adhesive | tackified acrylic | • Color           | black/white |



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## Product Information

### Properties/Performance Values

• Elongation at break	200 %	• Static shear resistance at 23°C	good
• Tensile strength	6 N/cm	• Static shear resistance at 40°C	good
• Ageing resistance (UV)	good	• Tack	good
• Chemical Resistance	good	• Temperature resistance long term	80 °C
• Humidity resistance	very good	• Temperature resistance short term	80 °C
• Softener resistance	medium		

### Adhesion to Values

• ABS (initial)	4 N/cm	• PET (after 14 days)	4 N/cm
• ABS (after 14 days)	4 N/cm	• PP (initial)	1.8 N/cm
• Aluminium (initial)	4 N/cm	• PP (after 14 days)	3.3 N/cm
• Aluminium (after 14 days)	4 N/cm	• PS (initial)	4 N/cm
• PC (initial)	4 N/cm	• PS (after 14 days)	4 N/cm
• PC (after 14 days)	4 N/cm	• PVC (initial)	4 N/cm
• PE (initial)	1.7 N/cm	• PVC (after 14 days)	4 N/cm
• PE (after 14 days)	2.2 N/cm	• Steel (initial)	4 N/cm
• PET (initial)	4 N/cm	• Steel (after 14 days)	4 N/cm

### Additional Information

Liner variants:

PV0 brown glassine paper (70 µm)

PV4 white with tesa<sup>®</sup> logo PE-coated paper (122 µm)

PV6 blue PP (80 µm)

PV12 transparent PET (75µm)

PV15 blue PE (100 µm)

tesa<sup>®</sup> 4957 has been tested and approved by IFT institute for window bar mounting. The test includes UV, driving rain and windload. (IFT report number 509 30742/1).

tesa<sup>®</sup> 4957 has been tested by TÜV Rheinland, Germany. The test confirms the longterm adhesion performance after IEC 61215 / 61646 climate tests and a 85°C temperature resistance. (TÜV report number 21209595).

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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## Product Information

### Disclaimer

tesa<sup>®</sup> 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<sup>®</sup> 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.



For latest information on this product please visit <http://l.tesa.com/?ip=04957>