

# tesa® 4957

Double-sided PE-foam mounting tape

## PRODUCT INFORMATION

### Product Description

tesa® 4957 is a double-sided PE-foam tape for general mounting applications. It consists of a highly conformable PE-foam backing and a tackified acrylic adhesive. tesa® 4957 has been externally certified for window bar mounting.

Product benefits:

- 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

- POS displays, exhibition sample displays
- Shelf edge labels
- Cable channels, window bars, window skirting trims
- Decorative glass or mirror elements on furniture
- Solar module frames

### Technical Data

|                    |             |                       |                   |
|--------------------|-------------|-----------------------|-------------------|
| ■ Backing material | PE foam     | ■ Type of adhesive    | tackified acrylic |
| ■ Colour           | black/white | ■ Elongation at break | 200 %             |
| ■ Total thickness  | 1100 µm     | ■ Tensile strength    | 6 N/cm            |

### Adhesion to

|                       |          |                             |          |
|-----------------------|----------|-----------------------------|----------|
| ■ Steel (initial)     | 4.0 N/cm | ■ Steel (after 14 days)     | 4.0 N/cm |
| ■ ABS (initial)       | 4.0 N/cm | ■ ABS (after 14 days)       | 4.0 N/cm |
| ■ Aluminium (initial) | 4.0 N/cm | ■ Aluminium (after 14 days) | 4.0 N/cm |
| ■ PC (initial)        | 4.0 N/cm | ■ PC (after 14 days)        | 4.0 N/cm |
| ■ PE (initial)        | 1.7 N/cm | ■ PE (after 14 days)        | 2.2 N/cm |
| ■ PET (initial)       | 4.0 N/cm | ■ PET (after 14 days)       | 4.0 N/cm |
| ■ PP (initial)        | 1.8 N/cm | ■ PP (after 14 days)        | 3.3 N/cm |
| ■ PS (initial)        | 4.0 N/cm | ■ PS (after 14 days)        | 4.0 N/cm |
| ■ PVC (initial)       | 4.0 N/cm | ■ PVC (after 14 days)       | 4.0 N/cm |

For latest information on this product please visit <http://1.tesa.com/?ip=04957>

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### Properties

|                                     |       |                                   |   |
|-------------------------------------|-------|-----------------------------------|---|
| ■ Temperature resistance short term | 80 °C | ■ Resistance to chemicals         | + |
| ■ Temperature resistance long term  | 80 °C | ■ Softener resistance             | o |
| ■ 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, o medium, - low

### Additional Info

Liner variants:

PV0 brown glassine paper (70 µm)

PV4 white with tesa® logo PE-coated paper (122 µm)

PV6 blue PP (80 µm)

PV12 transparent PET (75µm)

PV15 blue PE (100 µm)

tesa® 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® 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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