

Product Information

Double-sided general purpose PE-foam tape

tesa® 4957 is a double-sided tape consisting of a very conformable closed cell PE-foam backing and a shear resistant modified acrylic adhesive. It is suitable for outdoor use and available in both black and white.

tesa® 4957 features:

- High immediate bond on rough surfaces
- Very good compensation for design tolerances
- Leveling out of different thermal expansion of materials
- Shock absorption and sealing function

Main Application

- POS displays, exhibition sample displays
- Shelf edge labels
- Cable channels, window and kitchen profiles
- Decorative glass or mirror elements on furniture
- Signs and Emblems

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 | • 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 |

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

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 (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 splits on Steel, Aluminium, ABS, PC, PS, PET, PVC
- after 14 days: foam splits 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.



For latest information on this product please visit
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