



tesa[®] 4957

Product Information



Double-sided PE-foam mounting tape

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

Application Fields

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

Properties/Performance Values

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



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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[®] 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

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 <http://l.tesa.com/?ip=04957>