



tesa® 4957

Product Information



Double-sided general purpose PE-foam tape

Product Description

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

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

Application Fields

- 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.

Product Construction

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



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Properties/Performance Values

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



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