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 fully suitable for outdoor use and is available in black and white.

tesa® 4957 features especially:

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

Application Fields

- POS displays, exhibition sample displays
- Shelf edge labels
- Cable channels, window and kitchen profiles
- Decorative glass or mirror elements on furniture
- Signs & 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
Type of adhesive	tackified acrylic
Total thickness	1100 µm 43.3 mils
Color	black/white

Properties/Performance Values

Elongation at break	200 %
Tensile strength	6 N/cm 3.4 lbs/in
Ageing resistance (UV)	good
Chemical resistance	good
Static shear resistance at 23°C	good
Static shear resistance at 40°C	good
Tack	good
Temperature resistance long term	80 °C 176 °F
Temperature resistance short term	80 °C 176 °F

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

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Product Information

Adhesion to Values

- ABS (initial) 4 N/cm 36.5 oz/in
- ABS (after 14 days) 4 N/cm 36.5 oz/in
- Aluminium (initial) 4 N/cm 36.5 oz/in
- Aluminium (after 14 days) 4 N/cm 36.5 oz/in
- PC (initial) 4 N/cm 36.5 oz/in
- PC (after 14 days) 4 N/cm 36.5 oz/in
- PE (initial) 1.7 N/cm 15.5 oz/in
- PE (after 14 days) 2.2 N/cm 20.1 oz/in
- PET (initial) 4 N/cm 36.5 oz/in
- PET (after 14 days) 4 N/cm 36.5 oz/in
- PP (initial) 1.8 N/cm 16.4 oz/in
- PP (after 14 days) 3.3 N/cm 30.1 oz/in
- PS (initial) 4 N/cm 36.5 oz/in
- PS (after 14 days) 4 N/cm 36.5 oz/in
- PVC (initial) 4 N/cm 36.5 oz/in
- PVC (after 14 days) 4 N/cm 36.5 oz/in
- Steel (initial) 4 N/cm 36.5 oz/in
- Steel (after 14 days) 4 N/cm 36.5 oz/in

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 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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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.

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