productinformation

tesa[®] 4957 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 Data

| • | Backing material Color Total thickness | PE foam black/white 1100 μm | : | Type of adhesive Elongation at break Tensile strength | tackified acrylic 200 % 6 N/cm | |
|-------------|--|--|---|--|--|--|
| Adhesion to | | | | | | |
| | Steel (initial) ABS (initial) Aluminium (initial) PC (initial) PE (initial) PET (initial) | 4.0 N/cm 4.0 N/cm 4.0 N/cm 4.0 N/cm 1.7 N/cm 4.0 N/cm | | Steel (after 14 days) ABS (after 14 days) Aluminium (after 14 days) PC (after 14 days) PE (after 14 days) PET (after 14 days) | 4.0 N/cm 4.0 N/cm 4.0 N/cm 4.0 N/cm 2.2 N/cm | |
| | PP (initial) | 4.0 N/cm | | PP (after 14 days) | 4.0 N/cm | |
| - | F3 (IIIIIIaI) | 4.0 N/CIII | | F3 (aitei 14 uays) | 4.0 N/CIII | |

PVC (after 14 days)

PVC (initial)

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

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4.0 N/cm



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| Properties | | |
|--|-------------------------|--|
| Temperature resistance short term Temperature resistance long term Tack Ageing resistance (UV) Humidity resistance | 80 °C 80 °C • • • | Resistance to chemicals Softener resistance Static shear resistance at 23°C Static shear resistance at 40°C |
| 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

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