

tesa® 4957

Double-sided PE-foam mounting tape

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

Main Application

- 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 Data

▪ Backing material	PE foam	▪ Type of adhesive	tackified acrylic
▪ Color	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

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

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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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. 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

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