

tesa® 4957

Double-sided general purpose PE-foam tape

PRODUCT INFORMATION

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

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	PE foam	■ Type of adhesive	tackified acrylic
■ Colour	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

tesa UK Ltd.

Yeomans Drive, Blakelands
Milton Keynes, Bucks MK 14 5LS
Phone: +44 (1) 908 211 333
Fax: +44 (1) 908 211 555
ukenquiry@tesa.com

tesa® 4957

Double-sided general purpose PE-foam tape

PRODUCT INFORMATION

Properties

■ Static shear resistance at 23°C	+	■ Ageing resistance (UV)	+
■ Static shear resistance at 40°C	+	■ Humidity resistance	++
■ Tack	o	■ Temperature resistance (short & long term)	80 & 80 °C
■ Resistance to chemicals	+	■ Softener resistance	o

Evaluation across relevant tesa® assortment: ++ very good, + good, o medium, - low

Additional Info

Liner variants:

- PV0 brown glassine paper (70 µm)
- PV4 white with tesa® logo PE-coated paper (122 µm)
- PV6 blue PP (80 µm)
- 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

tesa UK Ltd.

Yeomans Drive, Blakelands
Milton Keynes, Bucks MK 14 5LS
Phone: +44 (1) 908 211 333
Fax: +44 (1) 908 211 555
ukenquiry@tesa.com

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, expressed 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 advise you.