

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

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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

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