

tesa® 4957

1100 µm double-sided PE foam tape

PRODUCT INFORMATION

Product Description

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
■ Colour	black/white	■ Elongation at break	200 %
■ Total thickness	1100 µm	■ Tensile strength	6 N/cm

Adhesion to

■ Steel (initial)	4 N/cm	■ Steel (after 14 days)	4 N/cm
■ ABS (initial)	4 N/cm	■ ABS (after 14 days)	4 N/cm
■ Aluminium (initial)	4 N/cm	■ Aluminium (after 14 days)	4 N/cm
■ PC (initial)	4 N/cm	■ PC (after 14 days)	4 N/cm
■ PE (initial)	1.7 N/cm	■ PE (after 14 days)	2.2 N/cm
■ PET (initial)	4 N/cm	■ PET (after 14 days)	4 N/cm
■ PP (initial)	1.8 N/cm	■ PP (after 14 days)	3.3 N/cm
■ PS (initial)	4 N/cm	■ PS (after 14 days)	4 N/cm
■ PVC (initial)	4 N/cm	■ PVC (after 14 days)	4 N/cm

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

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Properties

■ Temperature resistance short term	80 °C	■ Resistance to chemicals	+
■ Temperature resistance long term	80 °C	■ Softener resistance	o
■ 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, o medium, - low

Additional Info

Liner variants:

- PV0 brown glassine paper (71 µm)
- PV10 red transparent PP film (120 µm)
- PV12 transparent PET (75 µm)
- PV15 blue PE film (100 µm)

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

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).

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