

tesa® 4957

1100 µm double-sided PE foam 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>

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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 (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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