

tesa® 4957

Product Information



1100 µm double-sided PE foam tape

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 Features

- Versatile adhesive for high immediate adhesion on numerous substrates
- Skin contact certification according to ISO 10993-5 and ISO 10993-10
- 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

Application Fields

- 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 Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

- | | | | |
|--------------------|-------------------|-------------------|-------------|
| • Backing | PE foam | • Total thickness | 1100 µm |
| • Type of adhesive | tackified acrylic | • Color | black/white |

Properties/Performance Values

- | | | | |
|-----------------------------------|--------|-------------------------------------|-------|
| • Elongation at break | 200 % | • Static shear resistance at 40°C | good |
| • Tensile strength | 6 N/cm | • Tack | good |
| • Ageing resistance (UV) | good | • Temperature resistance long term | 80 °C |
| • Chemical Resistance | good | • Temperature resistance short term | 80 °C |
| • Static shear resistance at 23°C | good | | |

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Adhesion to Values

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

Additional Information

Liner variants:

* PV0 brown glassine paper (71 µm)

* PV10 red transparent PP film (120 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).

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



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