# productinformation

# tesa<sup>®</sup> 4957 1100 μm double-sided PE foam tape

tesa<sup>®</sup> 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<sup>®</sup> 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 absorbtion

## 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

<ul><li>Backing material</li><li>Color</li><li>Total thickness</li></ul>	PE foam black/white 1100 μm	<ul><li>Type of adhesive</li><li>Elongation at break</li><li>Tensile strength</li></ul>	tackified acrylic 200 % 6 N/cm
Adhesion to			
<ul> <li>Steel (initial)</li> <li>ABS (initial)</li> <li>Aluminium (initial)</li> <li>PC (initial)</li> <li>PE (initial)</li> <li>PET (initial)</li> <li>PP (initial)</li> <li>PS (initial)</li> </ul>	4.0 N/cm 4.0 N/cm 4.0 N/cm 1.7 N/cm 4.0 N/cm 1.8 N/cm 4.0 N/cm	<ul> <li>Steel (after 14 days)</li> <li>ABS (after 14 days)</li> <li>Aluminium (after 14 days)</li> <li>PC (after 14 days)</li> <li>PE (after 14 days)</li> <li>PET (after 14 days)</li> <li>PP (after 14 days)</li> <li>PS (after 14 days)</li> </ul>	4.0 N/cm 4.0 N/cm 4.0 N/cm 2.2 N/cm 4.0 N/cm 3.3 N/cm 4.0 N/cm
<ul> <li>PVC (initial)</li> </ul>	4.0 N/cm	<ul><li>PVC (after 14 days)</li></ul>	4.0 N/cm

# <sup>2</sup>age 1 of 2 - As of 01/03/2018

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

tesa<sup>®</sup> products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore 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. The user is responsible for determining whether the tesa<sup>®</sup> 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 support you.



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Prop	perties			
• Те • Та • А§	emperature resistance short term emperature resistance long term ack geing resistance (UV) umidity resistance	80 °C 80 °C	Resistance to chemicals Softener resistance Static shear resistance at 23°C Static shear resistance at 40°C	••• •• ••

Evaluation across relevant tesa<sup>®</sup> 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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