

# tesa® 4970

## Product Information



225µm double sided white PVC film tape

### Product Description

tesa® 4970 is a white, double-sided mounting tape with a highly tackified acrylic adhesive and PVC backing. The double-sided PVC film tape has exceptional bonding performance and is used in various different industries, frequently used for fastening heavy signs and point-of-sale displays. The tackified acrylic adhesive features excellent adhesive performance, offering a reliable bond even on low energy surfaces and rough or slightly dirty substrates. The strong adhesive and PVC backing make the tape highly resistant to numerous factors, including plasticizers, humidity, aging, UV light, and chemicals. tesa® 4970 offers a very high initial bond immediately after application and is ideal for various long-term mounting applications.

### Sustainable Aspects

tesa® More Sustainable Paper Liner:

- Responsibly sourced paper liner (certified)
- Unbleached paper with 30% recycled fibers



For more information: <https://www.tesa.com/product-sustainability>

### Product Features

- High adhesion and very good bonding strength, even to low surface energy materials
- Immediate functionality of the laminated bond due to excellent initial tack
- Light- and aging-resistant acrylic adhesive for long-term applications
- Very good plasticizer resistance
- Good conformability for good adhesion even on rougher surfaces due to the PVC backing

### Application Fields

- tesa® 4970 is the perfect solution for mounting decorative POS materials and displays
- Mounting signs and scales
- Bonding during assembly of moldings and trims in the furniture industry
- Ideal for mounting plastic or wooden trims

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### 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          | PVC film          | • Total thickness | 225 µm |
| • Type of adhesive | tackified acrylic | • Color           | white  |

### Properties/Performance Values

|                          |           |                                     |           |
|--------------------------|-----------|-------------------------------------|-----------|
| • Elongation at break    | 20 %      | • Static shear resistance at 23°C   | good      |
| • Tensile strength       | 38 N/cm   | • Static shear resistance at 40°C   | medium    |
| • Ageing resistance (UV) | good      | • Tack                              | very good |
| • Chemical Resistance    | good      | • Temperature resistance long term  | 60 °C     |
| • Humidity resistance    | very good | • Temperature resistance min.       | -40 °C    |
| • Softener resistance    | very good | • Temperature resistance short term | 70 °C     |

### Adhesion to Values

|                             |           |                         |           |
|-----------------------------|-----------|-------------------------|-----------|
| • ABS (initial)             | 13.4 N/cm | • PET (after 14 days)   | 11.9 N/cm |
| • ABS (after 14 days)       | 14.4 N/cm | • PP (initial)          | 9.7 N/cm  |
| • Aluminium (initial)       | 11.5 N/cm | • PP (after 14 days)    | 10.8 N/cm |
| • Aluminium (after 14 days) | 12.6 N/cm | • PS (initial)          | 14.7 N/cm |
| • PC (initial)              | 16.2 N/cm | • PS (after 14 days)    | 15.2 N/cm |
| • PC (after 14 days)        | 16.9 N/cm | • PVC (initial)         | 12.4 N/cm |
| • PE (initial)              | 8.5 N/cm  | • PVC (after 14 days)   | 16.6 N/cm |
| • PE (after 14 days)        | 9.1 N/cm  | • Steel (initial)       | 13 N/cm   |
| • PET (initial)             | 11.5 N/cm | • Steel (after 14 days) | 13.6 N/cm |

### Additional Information

Liner variants:

- PV0: brown glassine paper (69µm; 80g/m²)
- PV2: brown glassine paper (78µm; 90g/m²)
- Sustainability Marker valid for paper liner version

For spools, it is recommended to use tesa® dispensers to achieve optimal results

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### Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® 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.



For latest information on this product please visit <http://l.tesa.com/?ip=4970>