



# tesa<sup>®</sup> 51970

## Product Information



Transparent double-sided filmic tape

### Product Description

tesa<sup>®</sup> 51970 is a transparent double-sided tape consisting of a PP-film backing and a tackified adhesive.

tesa<sup>®</sup> 51970 features:

- Excellent combination of high tack and adhesion
- Secure bond even on materials such as PP and PE and rough surfaces
- Good temperature resistance and outdoor suitability

### Product Features

- Excellent combination of high initial tack and immediate adhesion
- Light- and aging-resistant acrylic adhesive for long-term applications
- Reliable bond even to low surface energy substrates and rough surfaces

### Application Fields

- Mounting of plastic and wooden trims
- Mounting of decorative materials and displays
- Mounting of transparent signs and scales

### 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 material | PP film           | • Total thickness | 220 µm      |
| • Type of adhesive | tackified acrylic | • Colour          | transparent |

### Properties/Performance Values

- |                          |              |  |              |
|--------------------------|--------------|--|--------------|
| • Elongation at break    | 150 %        | • Static shear resistance at 23°C            | good, medium |
| • Tensile strength       | 50 N/cm      | • Static shear resistance at 40°C            | good, medium |
| • Ageing resistance (UV) | good         | • Tack                                       | very good    |
| • Chemical resistance    | good         | • Temperature resistance long term duration  | 80 °C        |
| • Humidity resistance    | very good    | • Temperature resistance min.                | -40 °C       |
| • Softener resistance    | good, medium | • Temperature resistance short term duration | 130 °C       |

For latest information on this product please visit <http://l.tesa.com/?ip=51970>



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### Adhesion to Values

• ABS (initial)	12.5 N/cm	• PET (after 14 days)	11.5 N/cm
• ABS (after 14 days)	14.5 N/cm	• PP (initial)	8.5 N/cm
• Aluminium (initial)	11.5 N/cm	• PP (after 14 days)	10 N/cm
• Aluminium (after 14 days)	12.5 N/cm	• PS (initial)	13 N/cm
• PC (initial)	15 N/cm	• PS (after 14 days)	14.5 N/cm
• PC (after 14 days)	16.5 N/cm	• PVC (initial)	11.5 N/cm
• PE (initial)	7 N/cm	• PVC (after 14 days)	17.5 N/cm
• PE (after 14 days)	8 N/cm	• Steel (initial)	13 N/cm
• PET (initial)	11 N/cm	• Steel (after 14 days)	13.5 N/cm

### Additional Information

Liner variants:

PV0 brown glassine paper (65 µm)

PV1 white glassine paper (84 µm)

PV2 white embossed PP (85 µm)

PV6 red MOPP-film (80 µm)

A fingerlift version (extended liner), tesa® 61970, is also available.

### 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.



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