# tesa® 51970

## Product Information

220µm / 8.6 mils double sided transparent PP film tape

## Product Description

tesa® 51970 is a transparent, double-sided industrial mounting tape with a highly tackified adhesive and PP backing. The double-sided PP film tape is used in various different industries, frequently for mounting plastic or wooden trims or fastening 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. tesa® 51970 is able to withstand numerous environmental factors such as humidity, UV light, and temperatures of up to 130°C / 266°F for limited periods of time. The tackified acrylic adhesive offers excellent hold on various surfaces, very high tack, and good shear strength.

## 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

- 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

- tesa® 51970 is suitable for various types of mounting applications
- Mounting plastic and wooden trims
- Ideal for mounting transparent signs and scales
- Mounting decorative materials and displays

## 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 | PP film | • Total thickness | 220 µm<br>8.7 mils |
| • Type of adhesive | tackified acrylic | • Color | transparent |

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

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Product Information

## Properties/Performance Values

- Elongation at break: 150 %
- Tensile strength: 50 N/cm, 28.6 lbs/in
- Ageing resistance (UV): good
- Chemical Resistance: good
- Humidity resistance: very good
- Softener resistance: good
- Static shear resistance at 23°C: good
- Static shear resistance at 40°C: good
- Tack: very good
- Temperature resistance long term: 80 °C, 176 °F
- Temperature resistance min.: -40 °C, -40 °F
- Temperature resistance short term: 130 °C, 266 °F

## Adhesion to Values

- ABS (initial): 12.5 N/cm, 114.2 oz/in
- ABS (after 14 days): 14.5 N/cm, 132.5 oz/in
- Aluminium (initial): 11.5 N/cm, 105.1 oz/in
- Aluminium (after 14 days): 12.5 N/cm, 114.2 oz/in
- PC (initial): 15 N/cm, 137 oz/in
- PC (after 14 days): 16.5 N/cm, 150.7 oz/in
- PE (initial): 7 N/cm, 64 oz/in
- PE (after 14 days): 8 N/cm, 73.1 oz/in
- PET (initial): 11 N/cm, 100.5 oz/in
- PET (after 14 days): 11.5 N/cm, 105.1 oz/in
- PP (initial): 8.5 N/cm, 77.7 oz/in
- PP (after 14 days): 10 N/cm, 91.4 oz/in
- PS (initial): 13 N/cm, 118.8 oz/in
- PS (after 14 days): 14.5 N/cm, 132.5 oz/in
- PVC (initial): 11.5 N/cm, 105.1 oz/in
- PVC (after 14 days): 17.5 N/cm, 159.9 oz/in
- Steel (initial): 13 N/cm, 118.8 oz/in
- Steel (after 14 days): 13.5 N/cm, 123.3 oz/in

## Additional Information

Liner variants:

PV0 brown glassine paper (69 µm/2.7 mils; 80g/m$^2$)

PV1 white paper liner (84 µm/3.3 mils; 102g/m$^2$)

PV2 brown glassine paper (78µm/3.1 mils, 90g/m$^2$)

PV6 red MOPP-film (80 µm/3.2 mils, 72g/m$^2$)

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## Product Information

### Additional Information

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

According to VDA278 analysis, tesa 51970 does not contain any single substances restricted by the drafted GB regulations (China) as well as the indoor concentration guideline by Health, Labour and Welfare Ministry (Japan).

## Disclaimer



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