

## Product Information

Transparent double-sided filmic tape

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

### Features

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

### Main Application

- 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.

#### Technical Data

• Backing material	PP film	• Type of liner	glassine
• Color	transparent	• Color of liner	brown
• Total thickness	220 µm	• Thickness of liner	71 µm
• Type of adhesive	tackified acrylic	• Temperature resistance short term	130 °C
• Elongation at break	150 %	• Temperature resistance long term	80 °C
• Tensile strength	50 N/cm		

#### Adhesion to

• Steel (initial)	13.0 N/cm	• Steel (after 14 days)	13.5 N/cm
• ABS (initial)	11.3 N/cm	• ABS (after 14 days)	14.4 N/cm
• Aluminium (initial)	10.2 N/cm	• Aluminium (after 14 days)	12.8 N/cm
• Steel (initial)	13.0 N/cm	• PC (after 14 days)	15.0 N/cm
• PC (initial)	12.3 N/cm	• PE (after 14 days)	6.8 N/cm
• PE (initial)	5.4 N/cm	• PET (after 14 days)	12.5 N/cm
• PET (initial)	9.9 N/cm	• PP (after 14 days)	8.8 N/cm
• PP (initial)	6.8 N/cm	• PS (after 14 days)	13.4 N/cm
• PS (initial)	11.8 N/cm	• PVC (after 14 days)	17.0 N/cm
• PVC (initial)	10.5 N/cm		

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### Properties

• Temperature resistance short term	130 °C	• Resistance to chemicals	●●●
• Temperature resistance long term	80 °C	• Softener resistance	●●●
• Tack	●●●	• Static shear resistance at 23°C	●●●
• Ageing resistance (UV)	●●●	• Static shear resistance at 40°C	●●●
• Humidity resistance	●●●●		

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

### Additional Information

Liner variants:

- PV0: brown glassine paper (69 µm; 80g/m<sup>2</sup>)
- PV1: white glassine paper (84 µm; 102g/m<sup>2</sup>)
- PV2: brown glassine paper (78µm; 90g/m<sup>2</sup>)
- PV6: red MOPP film (80 µm; 72g/m<sup>2</sup>)
- PV8: white MOPP friction liner (69 µm; 80g/m<sup>2</sup>)

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

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