

tesa® 51970

Product Information



Transparent double-sided filmic tape

Product Description

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

tesa® 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

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, often also on low surface energy 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

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Properties/Performance Values

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

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.