



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 especially:

- 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

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 | • Color | transparent |

Properties/Performance Values

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



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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 (71 µm)

PV2 white embossed PP (85 µm)

PV6 red MOPP-film (80 µm)

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

Disclaimer

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