



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 an excellent combination of high tack and adhesive strength. It bonds securely even on critical materials such as PP, PE and rough surfaces. The mounting tape's good temperature resistance, as well as UV and humidity resistance make it ideal for outdoor use. The tape can withstand chemicals and softeners. tesa® 51970 is frequently used for industrial mounting applications, for instance, the mounting of plastic or decorative materials.

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

Applications

- tesa® 51970 is a highly adhesive mounting tape for various industrial uses
- The optimal balance of adhesion properties makes tesa® 51970 ideal for various applications in the blinds industry, such as roller blind core starting and laminating hard to adhere fabrics and meshes
- The tape can be used for mounting plastic and wooden trims
- Suitable for mounting decorative materials and displays
- tesa® 51970 is used for mounting 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.

Applications

- | | | | |
|--------------------|-------------------|-------------------|-------------|
| • Backing | 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, 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 | 80 °C |
| • Humidity resistance | very good | • Temperature resistance min. | -40 °C |
| • Softener resistance | good, medium | • Temperature resistance short term | 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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