



tesa® 4970

Product Information



Double-sided filmic tape with high adhesion

Product Description

tesa® 4970 is a thick white double-sided self-adhesive tape consisting of a PVC-film backing and a tackified acrylic adhesive.

tesa® 4970 features:

- Excellent combination of high tack and immediate adhesion
- High coating weight for good bonding performance on rough or dusty surfaces
- Suitable for long term applications

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

- High adhesion and very good bonding strength, even to low surface energy materials
- Immediate functionality of the laminated bond due to excellent initial tack
- Light- and aging-resistant acrylic adhesive for long-term applications
- Very good plasticizer resistance
- Good conformability for good adhesion even on rougher surfaces due to the PVC backing

Application Fields

- Mounting of plastic and wooden trims
- Mounting of decorative POS materials and displays
- Mounting of 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 | PVC film | • Total thickness | 225 µm |
| • Type of adhesive | tackified acrylic | • Colour | white |

For latest information on this product please visit <http://l.tesa.com/?ip=04970>



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Properties/Performance Values

• Elongation at break	20 %	• Static shear resistance at 23°C	good
• Tensile strength	38 N/cm	• Static shear resistance at 40°C	medium
• Ageing resistance (UV)	good	• Tack	very good
• Chemical resistance	good	• Temperature resistance long term duration	60 °C
• Humidity resistance	very good	• Temperature resistance min.	-40 °C
• Softener resistance	very good	• Temperature resistance short term duration	70 °C

Adhesion to Values

• ABS (initial)	13.4 N/cm	• PET (after 14 days)	11.9 N/cm
• ABS (after 14 days)	14.4 N/cm	• PP (initial)	9.7 N/cm
• Aluminium (initial)	11.5 N/cm	• PP (after 14 days)	10.8 N/cm
• Aluminium (after 14 days)	12.6 N/cm	• PS (initial)	14.7 N/cm
• PC (initial)	16.2 N/cm	• PS (after 14 days)	15.2 N/cm
• PC (after 14 days)	16.9 N/cm	• PVC (initial)	12.4 N/cm
• PE (initial)	8.5 N/cm	• PVC (after 14 days)	16.6 N/cm
• PE (after 14 days)	9.1 N/cm	• Steel (initial)	13 N/cm
• PET (initial)	11.5 N/cm	• Steel (after 14 days)	13.6 N/cm

Additional Information

A fingerlift version (extended liner), tesa® 7149, 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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