



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. The strong double sided tape features an excellent combination of high tack and immediate adhesion. Moreover, the acrylic adhesive offers a high coating weight, ensuring excellent bonding performance on rough or dusty surfaces. tesa® 4970 tape is highly resistant to humidity, light and natural ageing. It can also withstand numerous chemicals, water and softeners. It has a short-term temperature resistance of up to 70°C and a long-term resistance of up to 60°C. Due to its durability, tesa® 4970 is suitable for demanding, long-term and outdoor applications.

Product Features

- High adhesion and very good bonding strength, often also on low surface energy surfaces
- 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

Applications

- tesa® 4970 is a strong acrylic adhesive tape ideal for various long-term mounting applications
- The tape is perfectly suited to mounting plastic and wooden trims
- The tape can be used for mounting decorative POS materials and displays
- tesa® 4970 is ideal for mounting signs and scales
- A fingerlift version (with an extended liner) is also available

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

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|--------------------|-------------------|-------------------|--------|
| • Backing | PVC film | • Total thickness | 225 µm |
| • Type of adhesive | tackified acrylic | • Color | white |



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Product Information

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	60 °C
• Humidity resistance	very good	• Temperature resistance min.	-40 °C
• Softener resistance	very good	• Temperature resistance short term	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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