



tesa® 4970

Product Information



225µm double sided white PVC film tape

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

Product Description

tesa® 4970 is a white, double-sided mounting tape with a highly tackified acrylic adhesive and PVC backing. The double-sided PVC film tape has exceptional bonding performance and is used in various different industries, frequently used to fasten heavy signs and point-of-sale displays. The tackified acrylic adhesive features excellent adhesive performance, offering a reliable bond even on low energy surfaces and rough or slightly dirty substrates. The strong adhesive and PVC backing make the tape highly resistant to numerous factors, including plasticizers, humidity, aging, UV-light, and chemicals. tesa® 4970 offers a very high initial bond immediately after application and is ideal for various long-term mounting applications.

Application Fields

- tesa® 4970 is the perfect solution for mounting of decorative POS materials and displays
- Mounting of signs and scales
- Bonding during assembly of moldings and trims in the furniture industry
- Ideal for mounting of plastic or wooden trims

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

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



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Properties/Performance Values

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

Adhesion to Values

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

Additional Information

Liner variants:

- PV0: brown glassine paper (69µm; 80g/m²)
- PV2: brown glassine paper (78µm; 90g/m²)



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Disclaimer

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