



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 especially:

- Excellent combination of high tack and immediate adhesion
- High coating weight for good bonding performance on rough or dusty surfaces
- Full suitability for longterm applications

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 | • Color | 8.9 mils
white |

Properties/Performance Values

- | | | | |
|--------------------------|------------------------|-------------------------------------|-----------------|
| • Elongation at break | 20 % | • Static shear resistance at 23°C | good |
| • Tensile strength | 38 N/cm
21.7 lbs/in | • Static shear resistance at 40°C | medium |
| • Ageing resistance (UV) | good | • Tack | very good |
| • Chemical resistance | good | • Temperature resistance long term | 60 °C
140 °F |
| • Humidity resistance | very good | • Temperature resistance short term | 70 °C
158 °F |
| • Softener resistance | very good | | |



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Adhesion to Values

• ABS (initial)	13.4 N/cm 122.4 oz/in	• PET (after 14 days)	11.9 N/cm 108.7 oz/in
• ABS (after 14 days)	14.4 N/cm 131.6 oz/in	• PP (initial)	9.7 N/cm 88.6 oz/in
• Aluminium (initial)	11.5 N/cm 105.1 oz/in	• PP (after 14 days)	10.8 N/cm 98.7 oz/in
• Aluminium (after 14 days)	12.6 N/cm 115.1 oz/in	• PS (initial)	14.7 N/cm 134.3 oz/in
• PC (initial)	16.2 N/cm 148 oz/in	• PS (after 14 days)	15.2 N/cm 138.9 oz/in
• PC (after 14 days)	16.9 N/cm 154.4 oz/in	• PVC (initial)	12.4 N/cm 113.3 oz/in
• PE (initial)	8.5 N/cm 77.7 oz/in	• PVC (after 14 days)	16.6 N/cm 151.7 oz/in
• PE (after 14 days)	9.1 N/cm 83.1 oz/in	• Steel (initial)	13 N/cm 118.8 oz/in
• PET (initial)	11.5 N/cm 105.1 oz/in	• Steel (after 14 days)	13.6 N/cm 124.3 oz/in

Additional Information

Liner variants:

PV0: brown glassine paper (69µm/2.7 mils; 80g/m²)

PV2: brown glassine paper (78µm/3.1 mils; 90g/m²)

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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