

tesa® 4970

product information



Double-sided filmic tape with high adhesion

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

Main Application

- 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.

Technical Data

• Backing material	PVC film	• Tensile strength	38 N/cm
• Color	white	• Type of liner	glassine
• Total thickness	225 µm	• Colour of liner	brown
• Type of adhesive	tackified acrylic	• Thickness of liner	71 µm
• Elongation at break	20 %	• Weight of liner	82 g/m ²

Adhesion to

• Steel (initial)	13.0 N/cm 118.8 oz/in	• Steel (after 14 days)	13.6 N/cm 124.3 oz/in
• ABS (initial)	13.4 N/cm 122.4 oz/in	• ABS (after 14 days)	14.4 N/cm 131.6 oz/in
• Aluminium (initial)	11.5 N/cm 105.1 oz/in	• Aluminium (after 14 days)	12.6 N/cm 115.1 oz/in
• PC (initial)	16.2 N/cm 148 oz/in	• PC (after 14 days)	16.9 N/cm 154.4 oz/in
• PE (initial)	8.5 N/cm 77.7 oz/in	• PE (after 14 days)	9.1 N/cm 83.1 oz/in
• PET (initial)	11.5 N/cm 105.1 oz/in	• PET (after 14 days)	11.9 N/cm 108.7 oz/in
• PP (initial)	9.7 N/cm 88.6 oz/in	• PP (after 14 days)	10.8 N/cm 98.7 oz/in
• PS (initial)	14.7 N/cm 134.3 oz/in	• PS (after 14 days)	15.2 N/cm 138.9 oz/in
• PVC (initial)	12.4 N/cm 113.3 oz/in	• PVC (after 14 days)	16.6 N/cm 151.7 oz/in

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Properties

• Temperature resistance short term	70 °C	• Resistance to chemicals	● ● ●
• Temperature resistance long term	60 °C	• Softener resistance	● ● ●
• Tack	● ● ●	• Static shear resistance at 23°C	● ● ●
• Ageing resistance (UV)	● ● ● ●	• Static shear resistance at 40°C	● ●
• Humidity resistance	● ● ● ●		

Evaluation across relevant tesa® assortment: ● ● ● ● very good ● ● ● good ● ● medium ● low

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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