

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. 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.

Main Application

- 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.

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

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

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Additional Information

A fingerlift version (extended liner), tesa® 7149, is also available.

Disclaimer

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