



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:

- Excellent combination of high tack and immediate adhesion
- High coating weight for good bonding performance on rough or dusty surfaces
- Suitable for long term applications

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

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	• Colour	white



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Properties/Performance Values

• Elongation at break	20 %	• Static shear resistance at 23°C	good, medium
• 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 duration	60 °C
• Humidity resistance	very good	• Temperature resistance min. term duration	-40 °C
• Softener resistance	very good	• Temperature resistance short term duration	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

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