

tesa 4970
Double Sided High Adhesion Filmic Tape

**Product
Description/
Application:**

tesa 4970 is a white double sided self-adhesive tape consisting of a PVC film backing and a modified acrylic adhesive.

tesa 4970 features esp.

- an excellent combination of a high initial tack and adhesion level,
- suitable for the bonding of PVC materials due to a good softener resistance,
- a secure bond even on rough surfaces.

tesa 4970 is used for applications like:

- Mounting of plastic and wooden trims,
- Mounting of heavy decorative materials and displays,
- Mounting of signs and scales.

**Product
Design:**

Backing	Adhesive	Thickness*	Colour
PVC	modified acrylic	240 µm	white

Liner:

Colour	Type	Thickness*	Weight*
brown	glassine paper	65 µm	83 g/m ²
white	glassine paper	85 µm	100 g/m ²

* Mean values / parameter of the specification

Dimensions:

Stock Items for brown paper liner only	
50 m	6, 9, 12, 15, 19, 25, 30, 38, 50 mm
2.000 m	19 mm
2.500 m	15 mm
3.000 m	12 mm
4.000 m	8, 9 mm
5.000 m	4, 6 mm

Other dimensions and liners on request.

tesa AG

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tesa self-adhesive tapes are used successfully in many sectors to solve a variety of problems. Our publications contain numerous examples of such uses, intended to help towards a solution of your particular problems. Each tesa product has been developed for a particular range of applications. Nevertheless, experience has shown that even for one and the same objective, the exact requirements may differ from case to case. We, therefore, recommend that you carry out your own tests in each case, to confirm that the tesa self-adhesive tape which you envisage using is appropriate for your particular application. The Advisory Section of our Technical Service Department will be happy to assist. All information and recommendations are given by us in good faith, on the basis of practical experience, but without warranty.

Technical Data 4970

Mean values / parameters of the specification

Peel adhesion on different surfaces:

	immediately [N/cm]	after 14 days [N/cm]
Steel	13,5	14,8
Aluminium	9,4	12,4
ABS	10,9	13,7
PC	13,5	13,8
PS	10,5	12,2
PET	9,4	10,7
PVC	9,3	13,5
PP	6,9	8,7
PE	5,5	5,8

Temperature resistance

Short Term	70 °C
Long Term	60 °C

Mechanical properties

Tensile strength	≥ 57,5 N/15mm
Elongation	20 - 55 %

Results of laboratory evaluation

Static shear resistance (1000 g / 13 mm x 20 mm)

23°C	+
40°C	0

Tack (Rolling Ball)	+
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Softener resistance	+
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Humidity resistance	++
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Solvent resistance	+
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Ageing resistance (UV)	+
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PRODUCT INFORMATION

Evaluation:	very good (++)	good (+)	medium (O)	low (-)
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3510 – 10/01

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 tesa AG	Quality management	Internal page - Product information
Product name and -number: tesa 4970		

Date of last Version:	Date of Alteration	Subject of Alteration	Kst / PM	Kst. / F & E
	06/00	Modification layout, adding of technical data	3510 / Strotmann	3244 / Lohmann
06/00	10/01	PV 1 (white paper liner) added	3510 / Grostabussiat	3244 / Klose

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