

**tesa 4972**  
**Double Sided Very Thin Filmic Tape**

**Product Description/ Application:**

tesa 4972 is a transparent, double sided, self-adhesive tape consisting of a PET backing and a modified acrylic adhesive

tesa 4972 is used for applications like

tesa 4972 features esp.

- very low thickness of only 48 µm
- high adhesion level relative to low thickness
- excellent resistance to demanding environmental conditions
- excellent handling performance in converting processes

- Mounting of metal or plastic badges and signs
- Fixing of reflection foil to LCD frame
- Splicing of thin plastic films

**Product Design:**

Backing	Adhesive	Thickness*	Colour
PET	modified acrylic	48 µm	transparent

**Liner:**

Colour	Type	Thickness*	Weight*
red	MOPP film	80 µm	72 g/m <sup>2</sup>
brown	glassine paper	71 µm	80 g/m <sup>2</sup>
white	PE-coated paper	118 µm	120 g/m <sup>2</sup>

\* Mean values / parameter of the specification

**Dimensions:**

Stock Items	
100 m	12, 19, 30, 50 mm

Other dimensions 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 4972

## Mean values / parameters of the specification

### Peel adhesion on different surfaces:

	immediately [N/cm]	after 14 days [N/cm]
Steel	6,8	8,3
Aluminium	5,2	7,0
ABS	5,8	7,1
PC	6,3	7,6
PS	4,9	6,1
PET	5,3	6,7
PVC	5,2	8,3
PP	2,6	4,9
PE	3,1	3,7

### Temperature resistance

Short Term	200 °C
Long Term	100 °C

### Mechanical properties

Tensile strength	≥ 30 N/15mm
Elongation	≥ 50 %

## Results of laboratory evaluation

### Static shear resistance [g] at different temperatures

(Bonding area: 20 mm x 13 mm, stainless steel, 10 min dwell time)

Temperature	Weight loading	Minutes to fail
23°C	250 g	> 10000 min*
40°C	125 g	> 10000 min*
70° C	70 g	> 10000 min*

(\* Test discontinued after 10.000 min)

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

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