

tesa® 4972

Very thin double-sided filmic tape

PRODUCT INFORMATION

Product Description

tesa® 4972 is a transparent double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive.

tesa® 4972 features:

- Very thin (only 48µm)
- High adhesion level relative to low thickness
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

Main Application

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

Technical Data

■ Backing material	PET film	■ Type of adhesive	tackified acrylic
■ Color	transparent	■ Elongation at break	50 %
■ Total thickness	48 µm 1.9 mils	■ Tensile strength	20 N/cm 11.4 lbs/in

Adhesion to

■ Steel (initial)	7.0 N/cm 64 oz/in	■ Steel (after 14 days)	9.6 N/cm 87.7 oz/in
■ ABS (initial)	5.3 N/cm 48.4 oz/in	■ ABS (after 14 days)	6.5 N/cm 59.4 oz/in
■ Aluminium (initial)	5.2 N/cm 47.5 oz/in	■ aluminium (after 14 days)	7.7 N/cm 70.3 oz/in
■ PC (initial)	6.5 N/cm 59.4 oz/in	■ PC (after 14 days)	8.6 N/cm 78.6 oz/in
■ PE (initial)	3.1 N/cm 28.3 oz/in	■ PE (after 14 days)	3.5 N/cm 32 oz/in
■ PET (initial)	5.3 N/cm 48.4 oz/in	■ PET (after 14 days)	7.0 N/cm 64 oz/in
■ PP (initial)	3.0 N/cm 27.4 oz/in	■ PP (after 14 days)	4.8 N/cm 43.9 oz/in
■ PS (initial)	5.4 N/cm 49.3 oz/in	■ PS (after 14 days)	7.1 N/cm 64.9 oz/in
■ PVC (initial)	5.7 N/cm 52.1 oz/in	■ PVC (after 14 days)	9.4 N/cm 85.9 oz/in

For latest information on this product please visit <http://l.tesa.com/?ip=04972>

Page 1 of 2 / As of 11/01/14

tesa tape, inc.

5825 Carnegie Boulevard
Charlotte, NC 28209
Phone: 704 554 0707
Toll Free: 800 426 2181
Fax: 800 852 8831
customer care@tesatape.com

www.tesatape.com

Technical Tape México S.A. de C.V.

Av. Santa Fe No. 170
German Centre P 6-3-3Col.
Lomas de Santa Fe
Mexico D.F. C.P. 01210
Phone: +52 (55) 5292 6978
Fax: +52 (55) 5292 6977

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, expressed 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 advise you.

Properties

■ Temperature resistance short term	200 °C	■ Resistance to chemicals	+
	392 °F	■ Softener resistance	+
■ Temperature resistance long term	100 °C	■ Static shear resistance at 73,4 °F	+
	212 °F	■ Static shear resistance at 104 °F	o
■ Tack	o		
■ Ageing resistance (UV)	++		
■ Humidity resistance	++		

Evaluation across relevant tesa® assortment: ++ very good, + good, o medium, - low

Additional Info

Liner variants:

PV0/PV42 brown glassine paper (71µm; 82g/m²)

PV40 white/red tesa® logo glassine paper (71µm; 82g/m²)

PV4/PV43 white with blue tesa® logo PE-coated paper (122µm; 120g/m²)

PV6 red MOPP-film (80µm; 72g/m²)

PV52 transparent PET-film (75µm; 110g/m²)

For latest information on this product please visit <http://l.tesa.com/?ip=04972>

Page 2 of 2 / As of 11/01/14

tesa tape, inc.

5825 Carnegie Boulevard
Charlotte, NC 28209
Phone: 704 554 0707
Toll Free: 800 426 2181
Fax: 800 852 8831
customer@tesatape.com

Technical Tape México S.A. de C.V.

Av. Santa Fe No. 170
German Centre P 6-3-3Col.
Lomas de Santa Fe
Mexico D.F. C.P. 01210
Phone: +52 (55) 5292 6978
Fax: +52 (55) 5292 6977

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, expressed 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 advise you.