

Product Information

48µm/1.9 mils double sided transparent filmic tape

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

tesa® 4972 features especially:

- Thickness: 48µm/1.9 mils
- High adhesion level
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

Main Application

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

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	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

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Properties

• Temperature resistance short term	200 °C 392 °F	• Resistance to chemicals	●●●
• Temperature resistance long term	100 °C 212 °F	• 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

Additional Information

Liner variants:

PV20 brown/blue logo glassine paper (71µm/2.8 mils; 82g/m²)

PV43 white/blue logo PE-coated paper (122µm/4.8 mils; 120g/m²)

Disclaimer

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, express 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 support you.



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