

tesa® 4972

48µm 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
- 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 Data

▪ Backing material	PET film	▪ Type of adhesive	tackified acrylic
▪ Color	transparent	▪ Elongation at break	50 %
▪ Total thickness	48 µm	▪ Tensile strength	20 N/cm

Adhesion to

▪ Steel (initial)	7.0 N/cm	▪ Steel (after 14 days)	9.6 N/cm
▪ ABS (initial)	5.3 N/cm	▪ ABS (after 14 days)	6.5 N/cm
▪ Aluminium (initial)	5.2 N/cm	▪ Aluminium (after 14 days)	7.7 N/cm
▪ PC (initial)	6.5 N/cm	▪ PC (after 14 days)	8.6 N/cm
▪ PE (initial)	3.1 N/cm	▪ PE (after 14 days)	3.5 N/cm
▪ PET (initial)	5.3 N/cm	▪ PET (after 14 days)	7.0 N/cm
▪ PP (initial)	3.0 N/cm	▪ PP (after 14 days)	4.8 N/cm
▪ PS (initial)	5.4 N/cm	▪ PS (after 14 days)	7.1 N/cm
▪ PVC (initial)	5.7 N/cm	▪ PVC (after 14 days)	9.4 N/cm

Properties

▪ Temperature resistance short term	200 °C	▪ Resistance to chemicals	●●●●
▪ Temperature resistance long term	100 °C	▪ 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

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

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Additional Information

Liner variants:

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

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

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