productinformation

tesa® 4972

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 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

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tesa
great to work with

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Properties

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

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)

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