



tesa® 4972

Product Information



48µm/1.9 mils double sided transparent filmic tape

Product Description

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

Product Features

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

Application Fields

- 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.

Product Construction

- | | | | |
|--------------------|-------------------|-------------------|-------------|
| • Backing | PET film | • Total thickness | 48 µm |
| • Type of adhesive | tackified acrylic | | 1.9 mils |
| | | • Color | transparent |

Properties/Performance Values

- | | | | |
|--------------------------|-------------|-------------------------------------|-----------|
| • Elongation at break | 50 % | • Static shear resistance at 23°C | good |
| • Tensile strength | 20 N/cm | • Static shear resistance at 40°C | good |
| | 11.4 lbs/in | • Tack | very good |
| • Ageing resistance (UV) | good | • Temperature resistance long term | 100 °C |
| • Chemical Resistance | good | | 212 °F |
| • Humidity resistance | very good | • Temperature resistance short term | 200 °C |
| • Softener resistance | good | | 392 °F |



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Adhesion to Values

• ABS (initial)	5.3 N/cm 48.4 oz/in	• PET (after 14 days)	7 N/cm 64 oz/in
• ABS (after 14 days)	6.5 N/cm 59.4 oz/in	• PP (initial)	3 N/cm 27.4 oz/in
• Aluminium (initial)	5.2 N/cm 47.5 oz/in	• PP (after 14 days)	4.8 N/cm 43.9 oz/in
• Aluminium (after 14 days)	7.7 N/cm 70.3 oz/in	• PS (initial)	5.4 N/cm 49.3 oz/in
• PC (initial)	6.5 N/cm 59.4 oz/in	• PS (after 14 days)	7.1 N/cm 64.9 oz/in
• PC (after 14 days)	8.6 N/cm 78.6 oz/in	• PVC (initial)	5.7 N/cm 52.1 oz/in
• PE (initial)	3.1 N/cm 28.3 oz/in	• PVC (after 14 days)	9.4 N/cm 85.9 oz/in
• PE (after 14 days)	3.5 N/cm 32 oz/in	• Steel (initial)	7 N/cm 64 oz/in
• PET (initial)	5.3 N/cm 48.4 oz/in	• Steel (after 14 days)	9.6 N/cm 87.7 oz/in

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

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