



tesa[®] 4972

Product Information



Double-sided very thin filmic tape

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 especially:

- Very low thickness of only 48µm
- High adhesion level relative to low thickness
- 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 material | PET film | • Total thickness | 48 µm |
| • Type of adhesive | tackified acrylic | • Colour | 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 |
| • Ageing resistance (UV) | good | • Tack | very good |
| • Chemical resistance | good | • Temperature resistance long term duration | 100 °C |
| • Humidity resistance | very good | • Temperature resistance short term duration | 200 °C |
| • Softener resistance | good | | |



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Adhesion to Values

• ABS (initial)	5.3 N/cm	• PET (after 14 days)	7 N/cm
• ABS (after 14 days)	6.5 N/cm	• PP (initial)	3 N/cm
• Aluminium (initial)	5.2 N/cm	• PP (after 14 days)	4.8 N/cm
• Aluminium (after 14 days)	7.7 N/cm	• PS (initial)	5.4 N/cm
• PC (initial)	6.5 N/cm	• PS (after 14 days)	7.1 N/cm
• PC (after 14 days)	8.6 N/cm	• PVC (initial)	5.7 N/cm
• PE (initial)	3.1 N/cm	• PVC (after 14 days)	9.4 N/cm
• PE (after 14 days)	3.5 N/cm	• Steel (initial)	7 N/cm
• PET (initial)	5.3 N/cm	• Steel (after 14 days)	9.6 N/cm

Additional Information

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)

Disclaimer

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