



# tesa<sup>®</sup> 4972

## Product Information

48µm double sided transparent filmic tape

### Product Description

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

### Product Features

- Thickness: 48µm
- 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 | • 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   | medium |
| • Ageing resistance (UV) | very good | • Tack                              | medium |
| • Chemical Resistance    | good      | • Temperature resistance long term  | 100 °C |
| • Humidity resistance    | very good | • Temperature resistance short term | 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:

PV20 brown/blue logo glassine paper (71µm; 82g/m<sup>2</sup>)

PV43 white/blue logo PE-coated paper (122µm; 120g/m<sup>2</sup>)

### Disclaimer

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