



# tesa<sup>®</sup> 4983

## Product Information

Double-sided ultrathin tape

### Product Description

tesa<sup>®</sup> 4983 is a transparent double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive.

tesa<sup>®</sup> 4983 features:

- Low thickness of 30µm
- Good adhesion level relative to low thickness to smooth surfaces
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes
- Dielectric bus bar mounting in thin film solar modules

### Application Fields

- Lamination of cushioning materials to LCDs
- 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 | 30 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            | medium |
| • Ageing resistance (UV) | very good | • Tack                                       | low    |
| • 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)	4.5 N/cm	• PET (after 14 days)	4.8 N/cm
• ABS (after 14 days)	5.3 N/cm	• PP (initial)	2.3 N/cm
• Aluminium (initial)	4.1 N/cm	• PP (after 14 days)	3.7 N/cm
• Aluminium (after 14 days)	5.5 N/cm	• PS (initial)	4 N/cm
• PC (initial)	5.2 N/cm	• PS (after 14 days)	5.2 N/cm
• PC (after 14 days)	6 N/cm	• PVC (initial)	3.6 N/cm
• PE (initial)	2 N/cm	• PVC (after 14 days)	6.4 N/cm
• PE (after 14 days)	3.3 N/cm	• Steel (initial)	5.2 N/cm
• PET (initial)	4.2 N/cm	• Steel (after 14 days)	7.6 N/cm

### Additional Information

Recognized according to UL 969, file number MH18055

Liner variants:

PV0 brown glassine paper (71 $\mu$ m; 82g/m<sup>2</sup>)

PV6 red MOPP-film (80 $\mu$ m; 72g/m<sup>2</sup>)

### Disclaimer

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