



# tesa<sup>®</sup> 4983

## Product Information

30µm double sided transparent filmic 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.

Special features:

### Product Features

- Certified according to IEC 60454-3-1 (VDE, IMQ, SEMKO), VOC-certified, RoHS 2.0 and REACH conform
- Thickness: 30µm
- Good adhesion level
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

### Application Fields

- Lamination of cushioning materials to LCDs
- Fixing of reflection foil to LCD frame
- Splicing of thin plastic films
- Dielectric mounting of bus bar in thin film solar modules

### 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 | 30 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                              | low    |
| • 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)             | 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:

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

### Disclaimer

tesa<sup>®</sup> products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa<sup>®</sup> product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



For latest information on this product please visit <http://l.tesa.com/?ip=04983>