

## tesa® 4983

### 30µm double sided transparent filmic tape

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

tesa® 4983 features especially:

- Thickness: 30µm
- Good adhesion level
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

## Main Application

- 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 Data

|                    |             |                       |                   |
|--------------------|-------------|-----------------------|-------------------|
| ▪ Backing material | PET film    | ▪ Type of adhesive    | tackified acrylic |
| ▪ Color            | transparent | ▪ Elongation at break | 50 %              |
| ▪ Total thickness  | 30 µm       | ▪ Tensile strength    | 20 N/cm           |

## Adhesion to

|                         |          |                             |           |
|-------------------------|----------|-----------------------------|-----------|
| ▪ Steel (initial)       | 5.2 N/cm | ▪ ABS (after 14 days)       | 5.3 N/cm  |
| ▪ ABS (initial)         | 4.5 N/cm | ▪ Aluminium (after 14 days) | 5.5 N/cm  |
| ▪ Aluminium (initial)   | 4.1 N/cm | ▪ PC (after 14 days)        | 6.0 N/cm  |
| ▪ PC (initial)          | 5.2 N/cm | ▪ PE (after 14 days)        | 3.3 N/cm  |
| ▪ PE (initial)          | 2.0 N/cm | ▪ PET (after 14 days)       | 4.8 N/cm  |
| ▪ PET (initial)         | 4.2 N/cm | ▪ PMMA (after 14 days)      | 55.0 N/cm |
| ▪ PP (initial)          | 2.3 N/cm | ▪ PP (after 14 days)        | 3.7 N/cm  |
| ▪ PS (initial)          | 4.0 N/cm | ▪ PS (after 14 days)        | 5.2 N/cm  |
| ▪ PVC (initial)         | 3.6 N/cm | ▪ PVC (after 14 days)       | 6.4 N/cm  |
| ▪ Steel (after 14 days) | 7.6 N/cm |                             |           |

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

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### Properties

|                                     |         |                                   |       |
|-------------------------------------|---------|-----------------------------------|-------|
| ▪ Temperature resistance short term | 200 °C  | ▪ Resistance to chemicals         | ● ● ● |
| ▪ Temperature resistance long term  | 100 °C  | ▪ Softener resistance             | ● ● ● |
| ▪ Tack                              | ●       | ▪ Static shear resistance at 23°C | ● ● ● |
| ▪ Ageing resistance (UV)            | ● ● ● ● | ▪ Static shear resistance at 40°C | ● ●   |
| ▪ Humidity resistance               | ● ● ● ● |                                   |       |

Evaluation across relevant tesa® assortment: ● ● ● ● very good ● ● ● good ● ● medium ● low

### Additional Information

Recognized according to UL 969, file number MH18055

Liner variants:

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

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