



# tesa<sup>®</sup> 51983

## Product Information

30µm double sided black filmic tape

### Product Description

tesa<sup>®</sup> 51983 is a double-sided self-adhesive tape consisting of a black PET backing and a tackified acrylic adhesive.

### Product Features

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

### Application Fields

- Laminating 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          | PET film          | • Total thickness | 30 µm |
| • Type of adhesive | tackified acrylic | • Color           | black |

### 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) | 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

Liner variants:

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

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=51983>