



# tesa<sup>®</sup> 51982

## Product Information

100µm double sided black filmic tape

### Product Description

tesa<sup>®</sup> 51982 is a double-sided self-adhesive tape consisting of a black PET backing and a tackified acrylic adhesive.

tesa<sup>®</sup> 51982 features especially:

- Excellent bonding strength/thickness ratio
- Good bonding strength to most common, smooth, even substrates
- Reliable adhesion in high temperature applications

### Application Fields

- Mounting of backlight to LCD panel
- Mounting of LCD panel to metal frame
- Battery pack mounting

### 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 | 100 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                              | 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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## Product Information

### Adhesion to Values

|                             |           |                         |           |
|-----------------------------|-----------|-------------------------|-----------|
| • ABS (initial)             | 7.6 N/cm  | • PET (after 14 days)   | 8.4 N/cm  |
| • ABS (after 14 days)       | 9.6 N/cm  | • PP (initial)          | 4.4 N/cm  |
| • Aluminium (initial)       | 7.9 N/cm  | • PP (after 14 days)    | 6.2 N/cm  |
| • Aluminium (after 14 days) | 10.6 N/cm | • PS (initial)          | 8.3 N/cm  |
| • PC (initial)              | 9.2 N/cm  | • PS (after 14 days)    | 9.2 N/cm  |
| • PC (after 14 days)        | 11 N/cm   | • PVC (initial)         | 7 N/cm    |
| • PE (initial)              | 4.6 N/cm  | • PVC (after 14 days)   | 10 N/cm   |
| • PE (after 14 days)        | 5.1 N/cm  | • Steel (initial)       | 11 N/cm   |
| • PET (initial)             | 7 N/cm    | • Steel (after 14 days) | 11.7 N/cm |

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=51982>