



tesa® 51982

Product Information

100µm double sided black filmic tape

Product Description

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

tesa® 51982 features especially:

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

Product Features

- 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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