



tesa® 51982

Product Information

Black double-sided strong lamination filmic tape

Product Description

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

tesa® 51982 features:

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

Product Features

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- 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 | 3.9 mils
black |

Properties/Performance Values

- | | | | |
|--------------------------|------------------------|-------------------------------------|------------------|
| • Elongation at break | 50 % | • Static shear resistance at 23°C | good |
| • Tensile strength | 20 N/cm
11.4 lbs/in | • Static shear resistance at 40°C | good |
| • Ageing resistance (UV) | very good | • Tack | medium |
| • Chemical Resistance | good | • Temperature resistance long term | 100 °C
212 °F |
| • Humidity resistance | very good | • Temperature resistance short term | 200 °C
392 °F |
| • Softener resistance | good | | |

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Product Information

Adhesion to Values

• ABS (initial)	7.6 N/cm 69.4 oz/in	• PET (after 14 days)	8.4 N/cm 76.7 oz/in
• ABS (after 14 days)	9.6 N/cm 87.7 oz/in	• PP (initial)	4.4 N/cm 40.2 oz/in
• Aluminium (initial)	7.9 N/cm 72.2 oz/in	• PP (after 14 days)	6.2 N/cm 56.6 oz/in
• Aluminium (after 14 days)	10.6 N/cm 96.8 oz/in	• PS (initial)	8.3 N/cm 75.8 oz/in
• PC (initial)	9.2 N/cm 84.1 oz/in	• PS (after 14 days)	9.2 N/cm 84.1 oz/in
• PC (after 14 days)	11 N/cm 100.5 oz/in	• PVC (initial)	7 N/cm 64 oz/in
• PE (initial)	4.6 N/cm 42 oz/in	• PVC (after 14 days)	10 N/cm 91.4 oz/in
• PE (after 14 days)	5.1 N/cm 46.6 oz/in	• Steel (initial)	11 N/cm 100.5 oz/in
• PET (initial)	7 N/cm 64 oz/in	• Steel (after 14 days)	11.7 N/cm 106.9 oz/in

Additional Information

Liner variants:

PVO brown glassine paper (71µm; 82g/m²)

Disclaimer

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