



tesa[®] 51983

Product Information

Black double-sided ultrathin tape

Product Description

tesa[®] 51983 is a double-sided self-adhesive tape consisting of a black PET backing and a tackified acrylic adhesive.

tesa[®] 51983 features:

- Very low thickness of 30µm
- Good adhesion level relative to low thickness to smooth surfaces
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

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 material | PET film | • Total thickness | 30 µm |
| • Type of adhesive | tackified acrylic | • Colour | black |

Properties/Performance Values

- | | | | |
|--------------------------|--------------|--|--------------|
| • Elongation at break | 50 % | • Static shear resistance at 23°C | good, medium |
| • Tensile strength | 20 N/cm | • Static shear resistance at 40°C | good, medium |
| • Ageing resistance (UV) | very good | • Tack | low |
| • Chemical resistance | good | • Temperature resistance long term duration | 100 °C |
| • Humidity resistance | very good | • Temperature resistance short term duration | 200 °C |
| • Softener resistance | good, medium | | |

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Product Information

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:

PV0 brown glassine paper (71µm; 82g/m²)

Disclaimer

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