



tesa[®] 51980

Product Information

Black double-sided smooth lamination filmic tape

Product Description

tesa[®] 51980 is a double-sided self-adhesive tape consisting of a black PET backing and a tackified acrylic adhesive.

tesa[®] 51980 features especially:

- Good bonding strength to most common smooth, even substrates
- Superior converting performance due to strong PET backing
- Initial repositioning in the assembly process by reduced immediate contact adhesion

Product Features

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- Superior converting performance due to strong PET backing
- Initial repositioning in the assembly process by reduced immediate contact adhesion

Application Fields

- Mounting of components to electronic devices
- Mounting of nameplates, badges and light signs
- Mounting of decorative profiles and mouldings in the furniture industry

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 | 80 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 | medium, good |
| • Ageing resistance (UV) | very good | • Tack | good, medium |
| • 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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Adhesion to Values

• ABS (initial)	6.5 N/cm	• PET (after 14 days)	7.7 N/cm
• ABS (after 14 days)	8 N/cm	• PP (initial)	3.4 N/cm
• Aluminium (initial)	6.3 N/cm	• PP (after 14 days)	6.1 N/cm
• Aluminium (after 14 days)	8.5 N/cm	• PS (initial)	7 N/cm
• PC (initial)	7.7 N/cm	• PS (after 14 days)	8.5 N/cm
• PC (after 14 days)	9.4 N/cm	• PVC (initial)	6.8 N/cm
• PE (initial)	4 N/cm	• PVC (after 14 days)	10.7 N/cm
• PE (after 14 days)	4.6 N/cm	• Steel (initial)	8.6 N/cm
• PET (initial)	6.2 N/cm	• Steel (after 14 days)	9.7 N/cm

Additional Information

Liner variants:

PV42 brown glassine paper (71µm; 82g/m²)

PV50 transparent PET-film (50µm; 72g/m²)

PV51 white PET (50µm)

Disclaimer

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