



tesa® 51977

Product Information



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Product Description

tesa® 51977 is a white double-sided self-adhesive tape consisting of a PP-film backing and a tackified acrylic adhesive.

tesa® 51977 features especially:

- An excellent combination of a high initial tack and adhesion level
- A secure bond even on critical materials such as PP and PE and rough surfaces
- A good temperature resistance

Application Fields

- Fixing of carpets and trims
- * Mounting of heavy decorative materials and displays
- * Mounting of signs and scales

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

- | | | | |
|--------------------|---------------------|----------------------|--------|
| • Type of liner | glassine | • Total thickness | 240 µm |
| • Weight of liner | 80 g/m ² | • Color | white |
| • Backing material | PP film | • Color of liner | brown |
| • Type of adhesive | tackified acrylic | • Thickness of liner | 69 µm |

Properties/Performance Values

- | | | | |
|--------------------------|-----------|-------------------------------------|--------|
| • Elongation at break | 20 % | • Static shear resistance at 23°C | good |
| • Tensile strength | 133 N/cm | • Static shear resistance at 40°C | medium |
| • Ageing resistance (UV) | good | • Tack | good |
| • Chemical resistance | good | • Temperature resistance long term | 60 °C |
| • Humidity resistance | very good | • Temperature resistance short term | 120 °C |
| • Softener resistance | good | | |



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Adhesion to Values

• ABS (initial)	12 N/cm	• PET (after 14 days)	10.5 N/cm
• ABS (after 14 days)	13.5 N/cm	• PP (initial)	8 N/cm
• Aluminium (initial)	10.5 N/cm	• PP (after 14 days)	9.5 N/cm
• Aluminium (after 14 days)	11.5 N/cm	• PS (initial)	12 N/cm
• PC (initial)	14.5 N/cm	• PS (after 14 days)	14 N/cm
• PC (after 14 days)	15.5 N/cm	• PVC (initial)	10.5 N/cm
• PE (initial)	7.5 N/cm	• PVC (after 14 days)	16 N/cm
• PE (after 14 days)	8.5 N/cm	• Steel (initial)	12.6 N/cm
• PET (initial)	10 N/cm	• Steel (after 14 days)	13 N/cm

Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=51977>