



# tesa® 51977

## Product Information



tesa® 51977

### 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

### Product Features

- 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

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

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



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## Product Information

### Properties/Performance Values

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

### 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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