



# tesa® 51977

## Product Information



### Double-sided filmic tape

### 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

• 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 9.4 mils	• Weight of liner	2.7 mils 80 g/m <sup>2</sup>

### Properties/Performance Values

• Elongation at break	20 %	• Static shear resistance at 23°C	good
• Tensile strength	133 N/cm 75.9 lbs/in	• Static shear resistance at 40°C	medium
• Ageing resistance (UV)	good	• Tack	good
• Chemical Resistance	good	• Temperature resistance long term	60 °C 140 °F
• Humidity resistance	very good	• Temperature resistance short term	120 °C 248 °F
• Softener resistance	good		



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### Adhesion to Values

• ABS (initial)	12 N/cm 109.6 oz/in	• PET (after 14 days)	10.5 N/cm 95.9 oz/in
• ABS (after 14 days)	13.5 N/cm 123.3 oz/in	• PP (initial)	8 N/cm 73.1 oz/in
• Aluminium (initial)	10.5 N/cm 95.9 oz/in	• PP (after 14 days)	9.5 N/cm 86.8 oz/in
• Aluminium (after 14 days)	11.5 N/cm 105.1 oz/in	• PS (initial)	12 N/cm 109.6 oz/in
• PC (initial)	14.5 N/cm 132.5 oz/in	• PS (after 14 days)	14 N/cm 127.9 oz/in
• PC (after 14 days)	15.5 N/cm 141.6 oz/in	• PVC (initial)	10.5 N/cm 95.9 oz/in
• PE (initial)	7.5 N/cm 68.5 oz/in	• PVC (after 14 days)	16 N/cm 146.2 oz/in
• PE (after 14 days)	8.5 N/cm 77.7 oz/in	• Steel (initial)	12.6 N/cm 115.1 oz/in
• PET (initial)	10 N/cm 91.4 oz/in	• Steel (after 14 days)	13 N/cm 118.8 oz/in

### Disclaimer

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