



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

• 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 2.7 mils

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