



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

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

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
	75.9 lbs/in	• Tack	good
• Ageing resistance (UV)	good	• Temperature resistance long term	60 °C
• Chemical Resistance	good		140 °F
• Humidity resistance	very good	• Temperature resistance short term	120 °C
• Softener resistance	good		248 °F

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



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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

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



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