

tesa® 51977 Double-sided filmic tape

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

tesa® 51977 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
- Good temperature resistance

Main Application

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

Technical Data

▪ Backing material	PP film	▪ Tensile strength	86.66 N/cm
▪ Color	white	▪ Type of liner	49.5 lbs/in
▪ Total thickness	240 µm	▪ Color of liner	glassine
	9.4 mils	▪ Thickness of liner	brown
▪ Type of adhesive	tackified acrylic		65 µm
▪ Elongation at break	20 %	▪ Weight of liner	2.6 mils
			83 g/m ²

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

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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Double-sided filmic tape

Adhesion to

▪ Steel (initial)	12.2 N/cm 111.5 oz/in	▪ Steel (after 14 days)	15.0 N/cm 137 oz/in
▪ ABS (initial)	11.0 N/cm 100.5 oz/in	▪ ABS (after 14 days)	14.0 N/cm 127.9 oz/in
▪ Aluminium (initial)	10.0 N/cm 91.4 oz/in	▪ aluminium (after 14 days)	13.0 N/cm 118.8 oz/in
▪ PC (initial)	13.5 N/cm 123.3 oz/in	▪ PC (after 14 days)	16.5 N/cm 150.7 oz/in
▪ PE (initial)	5.0 N/cm 45.7 oz/in	▪ PE (after 14 days)	7.0 N/cm 64 oz/in
▪ PET (initial)	10.0 N/cm 91.4 oz/in	▪ PET (after 14 days)	12.0 N/cm 109.6 oz/in
▪ PP (initial)	6.0 N/cm 54.8 oz/in	▪ PP (after 14 days)	10.0 N/cm 91.4 oz/in
▪ PS (initial)	11.0 N/cm 100.5 oz/in	▪ PS (after 14 days)	13.5 N/cm 123.3 oz/in
▪ PVC (initial)	9.5 N/cm 86.8 oz/in	▪ PVC (after 14 days)	14.0 N/cm 127.9 oz/in

Properties

▪ Temperature resistance short term	120 °C 248 °F	▪ Resistance to chemicals	● ● ●
▪ Temperature resistance long term	60 °C 140 °F	▪ Softener resistance	● ● ●
▪ Tack	● ● ●	▪ Static shear resistance at 73,4 °F	● ● ●
▪ Ageing resistance (UV)	● ● ●	▪ Static shear resistance at 104 °F	● ●
▪ Humidity resistance	● ● ● ●		

Evaluation across relevant tesa® assortment: ● ● ● ● very good ● ● ● good ● ● medium ● low

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