

## 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 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

### 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	glassine
▪ Total thickness	240 µm	▪ Colour of liner	brown
▪ Type of adhesive	tackified acrylic	▪ Thickness of liner	65 µm
▪ Elongation at break	20 %	▪ Weight of liner	83 g/m <sup>2</sup>

### Adhesion to

▪ Steel (initial)	12.2 N/cm	▪ Steel (after 14 days)	15.0 N/cm
▪ ABS (initial)	11.0 N/cm	▪ ABS (after 14 days)	14.0 N/cm
▪ Aluminium (initial)	10.0 N/cm	▪ Aluminium (after 14 days)	13.0 N/cm
▪ PC (initial)	13.5 N/cm	▪ PC (after 14 days)	16.5 N/cm
▪ PE (initial)	5.0 N/cm	▪ PE (after 14 days)	7.0 N/cm
▪ PET (initial)	10.0 N/cm	▪ PET (after 14 days)	12.0 N/cm
▪ PP (initial)	6.0 N/cm	▪ PP (after 14 days)	10.0 N/cm
▪ PS (initial)	11.0 N/cm	▪ PS (after 14 days)	13.5 N/cm
▪ PVC (initial)	9.5 N/cm	▪ PVC (after 14 days)	14.0 N/cm

### Properties

▪ Temperature resistance short term	120 °C	▪ Resistance to chemicals	●●●●
▪ Temperature resistance long term	60 °C	▪ Softener resistance	●●●●
▪ Tack	●●●●	▪ Static shear resistance at 23°C	●●●●
▪ Ageing resistance (UV)	●●●●	▪ Static shear resistance at 40°C	●●
▪ Humidity resistance	●●●●●		

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

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

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