

## 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/m²    |

### 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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