



# tesa<sup>®</sup> 51977

## Product Information



### Double-sided filmic tape

### Product Description

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

tesa<sup>®</sup> 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            | • Weight of liner    | 80 g/m <sup>2</sup> |

### Properties/Performance Values

|                          |              |                                     |              |
|--------------------------|--------------|-------------------------------------|--------------|
| • Elongation at break    | 20 %         | • Static shear resistance at 23°C   | good, medium |
| • Tensile strength       | 133 N/cm     | • Static shear resistance at 40°C   | medium       |
| • Ageing resistance (UV) | good         | • Tack                              | good, medium |
| • Chemical Resistance    | good         | • Temperature resistance long term  | 60 °C        |
| • Humidity resistance    | very good    | • Temperature resistance short term | 120 °C       |
| • Softener resistance    | good, medium |                                     |              |

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   | • PET (after 14 days)   | 10.5 N/cm |
| • ABS (after 14 days)       | 13.5 N/cm | • PP (initial)          | 8 N/cm    |
| • Aluminium (initial)       | 10.5 N/cm | • PP (after 14 days)    | 9.5 N/cm  |
| • Aluminium (after 14 days) | 11.5 N/cm | • PS (initial)          | 12 N/cm   |
| • PC (initial)              | 14.5 N/cm | • PS (after 14 days)    | 14 N/cm   |
| • PC (after 14 days)        | 15.5 N/cm | • PVC (initial)         | 10.5 N/cm |
| • PE (initial)              | 7.5 N/cm  | • PVC (after 14 days)   | 16 N/cm   |
| • PE (after 14 days)        | 8.5 N/cm  | • Steel (initial)       | 12.6 N/cm |
| • PET (initial)             | 10 N/cm   | • Steel (after 14 days) | 13 N/cm   |

### Disclaimer

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