

Product Information

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 Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Technical Data

• Backing material	PP film	• Tensile strength	133 N/cm
• Color	white	• Type of liner	glassine
• Total thickness	240 µm	• Color of liner	brown
• Type of adhesive	tackified acrylic	• Thickness of liner	65 µm
• Elongation at break	20 %	• Weight of liner	83 g/m ²

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

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