

tesa® 51977

Product Information



Double-sided filmic tape

Product Description

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

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 material	PP film	• Colour	white
• Type of adhesive	tackified acrylic	• Colour of liner	brown
• Type of liner	glassine	• Thickness of liner	69 µm
• Total thickness	240 µm	• Weight of liner	80 g/m ²

Properties/Performance Values

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

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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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