

# tesa® 51964

## Product Information



### Product Description

tesa® 51964 is a transparent, double-sided industrial mounting tape with PET backing and a highly tackified acrylic adhesive. The double-sided tape is especially designed for the converter and tape specialist business and is able to withstand numerous environmental factors such as humidity, UV light, and temperatures of up to 200°C (392°F) for limited periods of time. The tackified acrylic adhesive provides excellent adhesion on various surfaces, very high tack, and good shear strength.

### Product Features

- Excellent combination of high initial tack and immediate adhesion.
- Full suitability for long-term applications.
- Very good bonding strength, even to low surface energy materials.
- Outstanding converting and die-cutting properties.

### Application Fields

- Various industrial long-term mounting applications.
- Especially designed for the converter and tape specialist business.

### 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	PET film	• Color of liner	brown/blue logo
• Type of adhesive	tackified acrylic	• Thickness of liner	69 µm
• Total thickness	125 µm		2.7 mils
	4.9 mils	• Weight of liner	80 g/m <sup>2</sup>
• Color	transparent		

### Properties/Performance Values

• Elongation at break	55 %	• Static shear resistance at 40°C	good
• Tensile strength	20 N/cm	• Tack	very good
	11.4 lbs/in	• Temperature resistance long term	80 °C
• Ageing resistance (UV)	good		176 °F
• Chemical Resistance	good	• Temperature resistance min.	-40 °C
• Softener resistance	good		-40 °F
• Static shear resistance at 23°C	good	• Temperature resistance short term	200 °C
			392 °F

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### Adhesion to Values

• ABS (initial)	8.2 N/cm 74.9 oz/in	• PET (after 14 days)	8.7 N/cm 79.5 oz/in
• ABS (after 14 days)	9.7 N/cm 88.6 oz/in	• PP (initial)	4.8 N/cm 43.9 oz/in
• Aluminium (initial)	8.1 N/cm 74 oz/in	• PP (after 14 days)	6.4 N/cm 58.5 oz/in
• Aluminium (after 14 days)	11.1 N/cm 101.4 oz/in	• PS (initial)	8.8 N/cm 80.4 oz/in
• PC (initial)	10.3 N/cm 94.1 oz/in	• PS (after 14 days)	9.4 N/cm 85.9 oz/in
• PC (after 14 days)	11.5 N/cm 105.1 oz/in	• PVC (initial)	7.2 N/cm 65.8 oz/in
• PE (initial)	4.9 N/cm 44.8 oz/in	• PVC (after 14 days)	10.1 N/cm 92.3 oz/in
• PE (after 14 days)	5.4 N/cm 49.3 oz/in	• Steel (initial)	11.2 N/cm 102.3 oz/in
• PET (initial)	7.4 N/cm 67.6 oz/in	• Steel (after 14 days)	12.8 N/cm 116.9 oz/in

### Disclaimer

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