

tesa® 51964

Product Information



125µm double sided transparent PET film tape

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 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 | • Weight of liner | 80 g/m ² |
| • Color | transparent | | |

Properties/Performance Values

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

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Adhesion to Values

• ABS (initial)	8.2 N/cm	• PET (after 14 days)	8.7 N/cm
• ABS (after 14 days)	9.7 N/cm	• PP (initial)	4.8 N/cm
• Aluminium (initial)	8.1 N/cm	• PP (after 14 days)	6.4 N/cm
• Aluminium (after 14 days)	11.1 N/cm	• PS (initial)	8.8 N/cm
• PC (initial)	10.3 N/cm	• PS (after 14 days)	9.4 N/cm
• PC (after 14 days)	11.5 N/cm	• PVC (initial)	7.2 N/cm
• PE (initial)	4.9 N/cm	• PVC (after 14 days)	10.1 N/cm
• PE (after 14 days)	5.4 N/cm	• Steel (initial)	11.2 N/cm
• PET (initial)	7.4 N/cm	• Steel (after 14 days)	12.8 N/cm

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