



tesa® 68542

Product Information

50µm d/s filmic tape

Product Description

tesa® 68542 is a transparent, double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive.

tesa® 68542 features:

- Thickness: 50µm
- High adhesion level
- High resistance to demanding environmental conditions
- Good handling performance in converting processes

Product Features

- Thickness: 50µm
- Good handling performance in converting processes
- High resistance to demanding environmental conditions
- High adhesion level

Application Fields

tesa® 68542 is used for general mounting and laminating applications especially in the electronics industry.

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 | • Total thickness | 50 µm |
| • Type of adhesive | tackified acrylic | | 2 mils |
| | | • Color | transparent |

Properties/Performance Values

- | | | | |
|--------------------------|-------------|-------------------------------------|--------|
| • Elongation at break | 50 % | • Static shear resistance at 23°C | medium |
| • Tensile strength | 20 N/cm | • Tack | good |
| | 11.4 lbs/in | • Temperature resistance long term | 100 °C |
| • Ageing resistance (UV) | very good | | 212 °F |
| • Humidity resistance | very good | • Temperature resistance short term | 200 °C |
| • Softener resistance | very good | | 392 °F |

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Product Information

Adhesion to Values

• ABS (initial)	5 N/cm 45.7 oz/in	• PET (initial)	5.2 N/cm 47.5 oz/in
• ABS (after 14 days)	6.1 N/cm 55.7 oz/in	• PET (after 14 days)	5.8 N/cm 53 oz/in
• Aluminium (initial)	5 N/cm 45.7 oz/in	• PP (initial)	2 N/cm 18.3 oz/in
• Aluminium (after 14 days)	6 N/cm 54.8 oz/in	• PP (after 14 days)	5.3 N/cm 48.4 oz/in
• PC (initial)	5.3 N/cm 48.4 oz/in	• PVC (initial)	5.2 N/cm 47.5 oz/in
• PC (after 14 days)	6.6 N/cm 60.3 oz/in	• PVC (after 14 days)	7.9 N/cm 72.2 oz/in
• PE (initial)	2 N/cm 18.3 oz/in	• Steel (initial)	5 N/cm 45.7 oz/in
• PE (after 14 days)	2.8 N/cm 25.6 oz/in	• Steel (after 14 days)	7.2 N/cm 65.8 oz/in

Additional Information

Liner variants:

PV20: brown/blue logo glassine paper (71µm; 82g/m²)

Disclaimer

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