



# 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

### 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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### 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

### Disclaimer

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