



# tesa® 68549

## Product Information

20µm double sided transparent conformable filmic tape

### Product Description

tesa® 68549 is a transparent, double-sided self-adhesive tape consisting of a thin, conformable PET film backing and a tackified acrylic adhesive.

### Product Features

- Thickness: 20µm
- Backing thickness: 2µm
- Excellent heat transfer due to low thickness and good wetting
- High adhesion level relative to low thickness
- Excellent conformability and adjustment to curved surfaces
- Excellent resistance to demanding environmental conditions

### Application Fields

- Mounting of heat spreading parts
- Lamination in NFC antenna
- Very small design gap filling

### 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 | 20 µm       |
| • Type of adhesive | tackified acrylic | • Color           | transparent |

### Properties/Performance Values

- |                                   |           |                                     |        |
|-----------------------------------|-----------|-------------------------------------|--------|
| • Ageing resistance (UV)          | very good | • Tack                              | low    |
| • Chemical Resistance             | very good | • Temperature resistance long term  | 100 °C |
| • Humidity resistance             | very good | • Temperature resistance short term | 200 °C |
| • Static shear resistance at 23°C | medium    |                                     |        |

### Adhesion to Values

- |                       |          |                         |          |
|-----------------------|----------|-------------------------|----------|
| • ABS (initial)       | 6.3 N/cm | • PE (initial)          | 2.2 N/cm |
| • ABS (after 14 days) | 7.3 N/cm | • PE (after 14 days)    | 3.1 N/cm |
| • PC (initial)        | 8 N/cm   | • Steel (initial)       | 7.3 N/cm |
| • PC (after 14 days)  | 8.2 N/cm | • Steel (after 14 days) | 9.7 N/cm |

For latest information on this product please visit <http://l.tesa.com/?ip=68549>



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## Product Information

### Additional Information

Liner variants:

PV57: double sided PET liners (36µm easy-release inside / 50µm tight-release outside)

PV65: double sided PET liners (36µm transparent easy-release inside / 50µm blue tight-release outside)

PV70: double sided PET liners (23µm transparent easy-release inside / 50µm blue tight-release outside)

### Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

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