



# tesa<sup>®</sup> 68583

## Product Information

64µm double sided transparent differential filmic tape

### Product Description

tesa<sup>®</sup> 68583 is a transparent, double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive. The coating weight of the outside is higher than the coating weight of the inside.

### Product Features

- Thickness: 64µm
- Asymmetric design
- Higher adhesion level on the outside, lower adhesion level on the inside
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes

### Application Fields

- Mounting of two different substrates, where one is easy and the other is difficult to adhere to
- Mounting of components and assembly of electronics devices

### 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 | 64 µm       |
| • Type of adhesive | tackified acrylic | • Color           | transparent |

### Properties/Performance Values

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



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### Adhesion to Values

• ABS (initial)	4 N/cm	• PE (covered side, after 14 days)	3.2 N/cm
• ABS (after 14 days)	4.7 N/cm	• PE (covered side, initial)	3.1 N/cm
• ABS (covered side, after 14 days)	6.4 N/cm	• PMMA (initial)	4.3 N/cm
• ABS (covered side, initial)	5.4 N/cm	• PMMA (after 14 days)	4.7 N/cm
• PC (initial)	4.3 N/cm	• PMMA (covered side, after 14 days)	6.7 N/cm
• PC (after 14 days)	5 N/cm	• PMMA (covered side, initial)	6.2 N/cm
• PC (covered side, after 14 days)	6.7 N/cm	• Steel (initial)	5.7 N/cm
• PC (covered side, initial)	6.2 N/cm	• Steel (after 14 days)	6.6 N/cm
• PE (initial)	2.3 N/cm	• Steel (covered side, after 14 days)	10.6 N/cm
• PE (after 14 days)	2.5 N/cm	• Steel (covered side, initial)	7.7 N/cm

### Additional Information

- double sided PET liners (36µm easy-release inside / 50µm tight-release outside)
- inside=open side, outside=covered side

### Disclaimer

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