



# tesa® 68559

## Product Information

20µm d/s filmic tape with a thin, conformable PET backing

### Product Description

tesa 68559 is a transparent, double-sided self-adhesive tape consisting of a thin, conformable PET film backing and a tackified acrylic adhesive.

tesa 68559 features:

- Thickness: 20µm
- High adhesion level relative to low thickness
- Excellent conformability and adjustment to curved surfaces
- Excellent resistance to demanding environmental conditions

### Application Fields

- Fixing of reflection film to LCD frame
- Splicing of thin plastic films

### 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           | 0.8 mils<br>transparent |

### Properties/Performance Values

- |                          |                    |                                     |                  |
|--------------------------|--------------------|-------------------------------------|------------------|
| • Elongation at break    | 50 %               | • Static shear resistance at 23°C   | medium           |
| • Tensile strength       | 7 N/cm<br>4 lbs/in | • Tack                              | low              |
| • Ageing resistance (UV) | very good          | • Temperature resistance long term  | 100 °C<br>212 °F |
| • Humidity resistance    | very good          | • Temperature resistance short term | 200 °C<br>392 °F |



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### Adhesion to Values

• ABS (initial)	4.5 N/cm 41.1 oz/in	• PET (after 14 days)	5.6 N/cm 51.2 oz/in
• ABS (after 14 days)	5.2 N/cm 47.5 oz/in	• PP (initial)	1.7 N/cm 15.5 oz/in
• Aluminium (initial)	4 N/cm 36.5 oz/in	• PP (after 14 days)	2.8 N/cm 25.6 oz/in
• Aluminium (after 14 days)	5.9 N/cm 53.9 oz/in	• PS (initial)	3.6 N/cm 32.9 oz/in
• PC (initial)	5.2 N/cm 47.5 oz/in	• PS (after 14 days)	5.2 N/cm 47.5 oz/in
• PC (after 14 days)	6 N/cm 54.8 oz/in	• PVC (initial)	3.7 N/cm 33.8 oz/in
• PE (initial)	1.7 N/cm 15.5 oz/in	• PVC (after 14 days)	6.7 N/cm 61.2 oz/in
• PE (after 14 days)	2.4 N/cm 21.9 oz/in	• Steel (initial)	5.2 N/cm 47.5 oz/in
• PET (initial)	4.1 N/cm 37.5 oz/in	• Steel (after 14 days)	6.8 N/cm 62.1 oz/in

### Disclaimer

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