

# tesa® 68505

## Product Information

50µm double-sided transparent filmic tape

### Product Description

tesa® 68505 is a transparent, double-sided self-adhesive tape consisting of a PET backing, a tackified acrylic adhesive and double PET liner.

Due to the very smooth and excellent appearance it is the perfect solution for display applications.

### Product Features

- Thickness: 50µm
- High adhesion level
- Very smooth appearance
- High resistance to demanding environmental conditions
- Good handling performance in converting processes
- Double PET liner (36µm easy-release inside / 50µm tight-release outside)

### Application Fields

tesa® 68505 is used for mounting and laminating applications especially for display applications like:

- Force touch film bonding
- FPC and PCB mounting
- LED light bar fixation
- Reflector and optical sheet fixation

### 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 | • Color           | transparent |

### Properties/Performance Values

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

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## Product Information

### Adhesion to Values

• PC (initial)	6.1 N/cm	• PET (covered side, initial)	5.7 N/cm
• PC (after 14 days)	6.8 N/cm	• PI (initial)	7 N/cm
• PC (covered side, after 14 days)	6.9 N/cm	• PI (after 14 days)	7.1 N/cm
• PC (covered side, initial)	6.8 N/cm	• PI (covered side, after 14 days)	7.2 N/cm
• PE (initial)	4.1 N/cm	• PI (covered side, initial)	6.9 N/cm
• PE (after 14 days)	4.3 N/cm	• PMMA (initial)	6.8 N/cm
• PE (covered side, after 14 days)	4.3 N/cm	• PMMA (after 14 days)	7.3 N/cm
• PE (covered side, initial)	3.5 N/cm	• Steel (initial)	6.5 N/cm
• PET (initial)	5.5 N/cm	• Steel (after 14 days)	7.3 N/cm
• PET (after 14 days)	6.1 N/cm	• Steel (covered side, after 14 days)	7.3 N/cm
• PET (covered side, after 14 days)	5.5 N/cm	• Steel (covered side, initial)	6.8 N/cm

### Disclaimer

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For latest information on this product please visit <http://l.tesa.com/?ip=68505>