



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 | • Color of liner - outside | transparent |
| • Type of adhesive | tackified acrylic | • Thickness of liner - inside | 36 µm |
| • Total thickness | 50 µm | • Thickness of liner - outside | 50 µm |
| • Color | transparent | • Type of liner - inside | PET |
| • Color of liner - inside | transparent | • Type of liner - outside | PET |



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Product Information

Properties/Performance Values

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

Adhesion to Values

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

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