



tesa® 68503

Product Information

30µm double-sided transparent filmic tape

Product Description

tesa® 68503 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: 30µm
- Good adhesion level
- Very smooth appearance
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes
- Double PET liner (36µm easy-release inside / 50µm tight-release outside)

Application Fields

- 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 | • Thickness of liner - inside | 36 µm |
| • Type of adhesive | tackified acrylic | • Thickness of liner - outside | 50 µm |
| • Type of liner | PET film | • Type of liner - inside | PET |
| • Total thickness | 30 µm | • Type of liner - outside | PET |
| • Color | transparent | | |

Properties/Performance Values

- | | | | |
|-----------------------------------|-----------|-------------------------------------|--------|
| • Ageing resistance (UV) | very good | • Static shear resistance at 40°C | good |
| • Chemical Resistance | good | • Tack | low |
| • Humidity resistance | very good | • Temperature resistance long term | 100 °C |
| • Softener resistance | good | • Temperature resistance short term | 200 °C |
| • Static shear resistance at 23°C | good | | |

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Product Information

Adhesion to Values

• PC (initial)	8.5 N/cm	• PI (initial)	7.9 N/cm
• PC (after 14 days)	8.9 N/cm	• PI (after 14 days)	8 N/cm
• PC (covered side, after 14 days)	8.5 N/cm	• PI (covered side, after 14 days)	8.2 N/cm
• PC (covered side, initial)	8 N/cm	• PI (covered side, initial)	7.9 N/cm
• PE (initial)	4.2 N/cm	• PMMA (initial)	8.2 N/cm
• PE (after 14 days)	4.7 N/cm	• PMMA (after 14 days)	8.2 N/cm
• PE (covered side, after 14 days)	4.7 N/cm	• PMMA (covered side, after 14 days)	8.4 N/cm
• PE (covered side, initial)	4.2 N/cm	• PMMA (covered side, initial)	8.3 N/cm
• PET (initial)	6.2 N/cm	• Steel (initial)	7.2 N/cm
• PET (after 14 days)	6.6 N/cm	• Steel (after 14 days)	8.1 N/cm
• PET (covered side, after 14 days)	6.4 N/cm	• Steel (covered side, after 14 days)	8.3 N/cm
• PET (covered side, initial)	6.3 N/cm	• Steel (covered side, initial)	7.7 N/cm

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