

68503



Product Information

30µm double-sided transparent filmic tape

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.

tesa® 68503 features esp.

- 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)

Main Application

- 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.

Technical Data

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

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Product Information

Adhesion to

• Steel (initial)	7.2 N/cm	• Steel (after 14 days)	8.1 N/cm
• Steel (covered side, initial)	7.7 N/cm	• Steel (covered side, after 14 days)	8.3 N/cm
• PC (initial)	8.5 N/cm	• PC (after 14 days)	8.9 N/cm
• PC (covered side, initial)	8.0 N/cm	• PC (covered side, after 14 days)	8.5 N/cm
• PE (initial)	4.2 N/cm	• PE (after 14 days)	4.7 N/cm
• PE (covered side, initial)	4.2 N/cm	• PE (covered side, after 14 days)	4.7 N/cm
• PET (initial)	6.2 N/cm	• PET (after 14 days)	6.6 N/cm
• PET (covered side, initial)	6.3 N/cm	• PET (covered side, after 14 days)	6.4 N/cm
• PI (initial)	7.9 N/cm	• PI (after 14 days)	8.0 N/cm
• PI (covered side, initial)	7.9 N/cm	• PI (covered side, after 14 days)	8.2 N/cm
• PMMA (initial)	8.2 N/cm	• PMMA (after 14 days)	8.2 N/cm
• PMMA (covered side, initial)	8.3 N/cm	• PMMA (covered side, after 14 days)	8.4 N/cm

Properties

• Temperature resistance short term	200 °C	• Resistance to chemicals	●●●●
• Temperature resistance long term	100 °C	• Softener resistance	●●●●
• Tack	●	• Static shear resistance at 23°C	●●●●
• Ageing resistance (UV)	●●●●	• Static shear resistance at 40°C	●●●●
• Humidity resistance	●●●●		

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

Disclaimer

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