



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.

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)

Product Features

- Thickness: 30µm
- Good adhesion level
- Very smooth appearance
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes
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Application Fields

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



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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		

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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