



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.

tesa® 68505 features esp.

- * 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



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Product Information

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

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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