



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)

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

For latest information on this product please visit <http://l.tesa.com/?ip=68505>



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Product Information

Application Fields

* 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

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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