



tesa[®] 68105

Product Information

50µm double sided transparent pure acrylic transfer tape

Product Description

tesa[®] 68105 is a 50µm transparent transfer tape suitable for demanding lamination jobs.

Product Features

- High shear strength under high temperature conditions
- Easy repositioning during assembling processes
- Excellent resistance against plasticizers
- Low outgassing
- Ageing resistance
- A moisture resistant liner gives this product good dimensional stability for die cutting processes.
- The adhesive thickness offers the best compromise between adhesion on filmic polymers, high shear resistance and efficient processability.
- The pure acrylic adhesive gives this product an excellent compatibility with printing inks, including conductive inks.

Application Fields

- Lamination of overlays on touch switches
- Fastening of printed nameplates and label stock
- Assembly of all kind of filmic multilayer constructions

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 | none | • Color of liner | transparent |
| • Type of adhesive | pure acrylic | • Thickness of liner | 75 µm |
| • Type of liner | PET | | |

Properties/Performance Values

- | | | | |
|-----------------------------------|-----------|-------------------------------------|-----------|
| • Ageing resistance (UV) | very good | • Static shear resistance at 70°C | very good |
| • Chemical Resistance | good | • Tack | medium |
| • Humidity resistance | good | • Temperature resistance long term | 150 °C |
| • Softener resistance | very good | • Temperature resistance short term | 200 °C |
| • Static shear resistance at 40°C | very good | | |



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Adhesion to Values

• ABS (initial)	4.3 N/cm	• PET (after 14 days)	4.5 N/cm
• ABS (after 14 days)	6 N/cm	• PP (initial)	2.1 N/cm
• Aluminium (initial)	3.6 N/cm	• PP (after 14 days)	2 N/cm
• Aluminium (after 14 days)	5.5 N/cm	• PS (initial)	4.5 N/cm
• PC (initial)	5 N/cm	• PS (after 14 days)	5.5 N/cm
• PC (after 14 days)	6.6 N/cm	• PVC (initial)	4 N/cm
• PE (initial)	1.1 N/cm	• PVC (after 14 days)	6.7 N/cm
• PE (after 14 days)	1.6 N/cm	• Steel (initial)	4.6 N/cm
• PET (initial)	3.5 N/cm	• Steel (after 14 days)	6.7 N/cm

Disclaimer

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