



# 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         | • Total thickness    | 50 µm       |
| • Type of adhesive | pure acrylic | • Color of liner     | transparent |
| • Type of liner    | PET          | • Thickness of liner | 75 µm       |

### 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 |                                     |           |



# tesa<sup>®</sup> 68105

## Product Information

### 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

tesa<sup>®</sup> products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa<sup>®</sup> product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



For latest information on this product please visit <http://l.tesa.com/?ip=68105>