



tesa® 68105

Product Information

High performance acrylic transfer tape

Product Description

tesa® 68105 is a transparent transfer tape suitable for demanding lamination jobs. The pure acrylic adhesive gives this product an excellent compatibility with printing inks, including conductive inks. The adhesive thickness offers the best compromise between adhesion on filmic polymers, high shear resistance and efficient processability. A moisture resistant liner gives this product good dimensional stability for die cutting processes.

tesa® 68105 features:

- High shear strength under high temperature conditions
- Easy repositioning during assembling processes
- Excellent resistance against plasticizers
- Low outgassing
- Aging resistance

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



tesa[®] 68105

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	none	• Total thickness	50 µm 2 mils
• Type of adhesive	pure acrylic	• Color of liner	transparent
• Type of liner	PET	• Thickness of liner	75 µm 3 mils

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 302 °F
• Softener resistance	very good	• Temperature resistance short term	200 °C 392 °F
• Static shear resistance at 40°C	very good		

Adhesion to Values

• ABS (initial)	4.3 N/cm 39.3 oz/in	• PET (after 14 days)	4.5 N/cm 41.1 oz/in
• ABS (after 14 days)	6 N/cm 54.8 oz/in	• PP (initial)	2.1 N/cm 19.2 oz/in
• Aluminium (initial)	3.6 N/cm 32.9 oz/in	• PP (after 14 days)	2 N/cm 18.3 oz/in
• Aluminium (after 14 days)	5.5 N/cm 50.2 oz/in	• PS (initial)	4.5 N/cm 41.1 oz/in
• PC (initial)	5 N/cm 45.7 oz/in	• PS (after 14 days)	5.5 N/cm 50.2 oz/in
• PC (after 14 days)	6.6 N/cm 60.3 oz/in	• PVC (initial)	4 N/cm 36.5 oz/in
• PE (initial)	1.1 N/cm 10 oz/in	• PVC (after 14 days)	6.7 N/cm 61.2 oz/in
• PE (after 14 days)	1.6 N/cm 14.6 oz/in	• Steel (initial)	4.6 N/cm 42 oz/in
• PET (initial)	3.5 N/cm 32 oz/in	• Steel (after 14 days)	6.7 N/cm 61.2 oz/in



tesa[®] 68105

Product Information

Disclaimer

tesa[®] 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[®] 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>