

tesa® 68105

50µm double sided transparent pure acrylic transfer tape

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 especially:

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

Main Application

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

Technical Data

▪ Backing material	none	▪ Type of liner	PET
▪ Total thickness	50 µm	▪ Colour of liner	transparent
▪ Type of adhesive	pure acrylic	▪ Thickness of liner	75 µm

Adhesion to

▪ Steel (initial)	4.6 N/cm	▪ Steel (after 14 days)	6.7 N/cm
▪ ABS (initial)	4.3 N/cm	▪ ABS (after 14 days)	6.0 N/cm
▪ Aluminium (initial)	3.6 N/cm	▪ Aluminium (after 14 days)	5.5 N/cm
▪ PC (initial)	5.0 N/cm	▪ PC (after 14 days)	6.6 N/cm
▪ PE (initial)	1.1 N/cm	▪ PE (after 14 days)	1.6 N/cm
▪ PET (initial)	3.5 N/cm	▪ PET (after 14 days)	4.5 N/cm
▪ PP (initial)	2.1 N/cm	▪ PP (after 14 days)	2.0 N/cm
▪ PS (initial)	4.5 N/cm	▪ PS (after 14 days)	5.5 N/cm
▪ PVC (initial)	4.0 N/cm	▪ PVC (after 14 days)	6.7 N/cm

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

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Properties

▪ Temperature resistance short term	200 °C	▪ Resistance to chemicals	● ● ●
▪ Temperature resistance long term	150 °C	▪ Softener resistance	● ● ● ●
▪ Tack	● ●	▪ Static shear resistance at 23°C	● ● ● ●
▪ Ageing resistance (UV)	● ● ● ●	▪ Static shear resistance at 40°C	● ● ● ●
▪ Humidity resistance	● ● ●	▪ Static shear resistance at 70°C	● ● ● ●

Evaluation across relevant tesa® assortment: ● ● ● ● very good ● ● ● good ● ● medium ● low

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