



# tesa® 68545

## Product Information



80µm d/s filmic tape

### Product Description

tesa® 68545 is a transparent, double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive.

tesa® 68545 features:

- Good bonding strength to most common, smooth, even substrates
- Superior converting performance due to strong PET backing
- Initial repositioning in the assembly process due to reduced immediate contact adhesion

### Application Fields

- Mounting of components in electronic devices
- Mounting of nameplates, badges and light signs
- Mounting of decorative profiles and mouldings in the furniture industry

### 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 material	PET film	• Total thickness	80 µm
• Type of adhesive	tackified acrylic, acrylic, advanced acrylic, modified acrylic	• Color	3.1 mils transparent, optically clear

### Properties/Performance Values

• Elongation at break	50 %	• Static shear resistance at 23°C	good
• Tensile strength	20 N/cm 11.4 lbs/in	• Static shear resistance at 40°C	good
• Ageing resistance (UV)	very good	• Tack	low
• Chemical resistance	good	• Temperature resistance long term	100 °C 212 °F
• Humidity resistance	very good	• Temperature resistance short term	200 °C 392 °F
• Softener resistance	good		



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### Adhesion to Values

• ABS (initial)	7.5 N/cm 68.5 oz/in	• PET (after 14 days)	7.5 N/cm 68.5 oz/in
• ABS (after 14 days)	8.7 N/cm 79.5 oz/in	• PP (initial)	3.2 N/cm 29.2 oz/in
• Aluminium (initial)	7.3 N/cm 66.7 oz/in	• PP (after 14 days)	5.2 N/cm 47.5 oz/in
• Aluminium (after 14 days)	8.8 N/cm 80.4 oz/in	• PS (initial)	7.2 N/cm 65.8 oz/in
• PC (initial)	8.8 N/cm 80.4 oz/in	• PS (after 14 days)	8.7 N/cm 79.5 oz/in
• PC (after 14 days)	10.3 N/cm 94.1 oz/in	• PVC (initial)	7.3 N/cm 66.7 oz/in
• PE (initial)	3.5 N/cm 32 oz/in	• PVC (after 14 days)	12.2 N/cm 111.5 oz/in
• PE (after 14 days)	5 N/cm 45.7 oz/in	• Steel (initial)	8.2 N/cm 74.9 oz/in
• PET (initial)	6.7 N/cm 61.2 oz/in	• Steel (after 14 days)	9.1 N/cm 83.1 oz/in

### Additional Information

Liner variants:

PV20 brown/blue logo glassine paper (71µm; 82g/m<sup>2</sup>)

PV40 white/red logo glassine paper (71µm; 82g/m<sup>2</sup>)

### 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=68545>