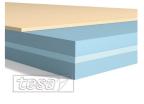




**Product Information** 



80µm d/s filmic tape

## **Product Description**

tesa<sup>®</sup> 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**

<ul><li>Backing material</li><li>Type of adhesive</li></ul>	PET film tackified acrylic, acrylic, advanced acrylic, modified acrylic	<ul><li>Total thickness</li><li>Color</li></ul>	80 μm 3.1 mils transparent, optically clear	
Properties/Performance Values				
<ul> <li>Elongation at break</li> <li>Tensile strength</li> <li>Ageing resistance (UV)</li> <li>Chemical resistance</li> <li>Humidity resistance</li> <li>Softener resistance</li> </ul>	50 % 20 N/cm 11.4 lbs/in very good good very good good	<ul> <li>Static shear resistance at 23°C</li> <li>Static shear resistance at 40°C</li> <li>Tack</li> <li>Temperature resistance long term</li> <li>Temperature resistance short term</li> </ul>	good good low 100 °C 212 °F 200 °C 392 °F	





# **Product Information**

# **Adhesion to Values**

• ABS (initial)	7.5 N/cm 68.5 oz/in	• PET (after 14 days)
• ABS (after 14 days)	8.7 N/cm 79.5 oz/in	• PP (initial)
• Aluminium (initial)	7.3 N/cm 66.7 oz/in	• PP (after 14 days)
• Aluminium (after 14 days)	8.8 N/cm 80.4 oz/in	• PS (initial)
• PC (initial)	8.8 N/cm 80.4 oz/in	• PS (after 14 days)
• PC (after 14 days)	10.3 N/cm 94.1 oz/in	• PVC (initial)
• PE (initial)	3.5 N/cm 32 oz/in	• PVC (after 14 days)
• PE (after 14 days)	5 N/cm 45.7 oz/in	• Steel (initial)
• PET (initial)	6.7 N/cm 61.2 oz/in	• Steel (after 14 days)

## **Additional Information**

Liner variants:

PV20 brown/blue logo glassine paper (71 $\mu$ m; 82g/m<sup>2</sup>) PV40 white/red logo glassine paper (71 $\mu$ m; 82g/m<sup>2</sup>)

# 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.

7.5 N/cm 68.5 oz/in 3.2 N/cm 29.2 oz/in 5.2 N/cm 47.5 oz/in 7.2 N/cm 65.8 oz/in 8.7 N/cm 79.5 oz/in 7.3 N/cm 66.7 oz/in 12.2 N/cm 111.5 oz/in 8.2 N/cm 74.9 oz/in 9.1 N/cm 83.1 oz/in