



tesa® 68594

Product Information

100µm/3.9 mils double sided transparent film tape

Product Description

tesa® 68594 is a transparent double-sided self-adhesive tape consisting of a PET backing and a modified acrylic adhesive.

Product Features

- Thickness: 100µm/3.9 mils
- High bonding strength
- High resistance to demanding environmental conditions
- Good handling performance in converting processes

Application Fields

tesa® 68594 is used for general mounting and lamination applications

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	PET film	• Color	transparent
• Type of adhesive	modified acrylic	• Color of liner	brown/blue logo
• Type of liner	glassine	• Weight of liner	80 g/m ²
• Total thickness	100 µm		
	3.9 mils		

Properties/Performance Values

• Elongation at break	50 %	• Static shear resistance at 23°C	good
• Tensile strength	30 N/cm	• Static shear resistance at 40°C	good
	17.1 lbs/in	• Temperature resistance long term	100 °C
• Ageing resistance (UV)	very good		212 °F
• Humidity resistance	very good	• Temperature resistance short term	200 °C
			392 °F



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Adhesion to Values

• PC (initial)	8.9 N/cm 81.3 oz/in	• PE (after 14 days)	4.8 N/cm 43.9 oz/in
• PC (after 14 days)	10 N/cm 91.4 oz/in	• Steel (initial)	11 N/cm 100.5 oz/in
• PE (initial)	4.4 N/cm 40.2 oz/in	• Steel (after 14 days)	12 N/cm 109.6 oz/in

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=68594>