

# tesa® 68582

50µm double sided transparent differential filmic tape

## PRODUCT INFORMATION

### Product Description

tesa® 68582 is a transparent, double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive. The coating weight of the open side is higher than the coating weight of the covered side.

tesa® 68582 features esp.

- Thickness: 50µm
- High adhesion level on the open side, low adhesion level on the covered side
- Excellent resistance to demanding environmental conditions
- Very good handling performance in converting processes

### Main Application

- Mounting of two different sub-strates, where one is easy to adhere and the other one is difficult to adhere
- Mounting of protection films that will be removed after transportation or storage

### Technical Data

■ Backing material	PET film	■ Tensile strength	20 N/cm
■ Colour	transparent	■ Type of liner	PE-coated paper
■ Total thickness	50 µm	■ Thickness of liner	122 µm
■ Type of adhesive	tackified acrylic	■ Colour of liner	white/blue logo
■ Elongation at break	50 %	■ Weight of liner	120 g/m <sup>2</sup>

### Adhesion to

■ Steel (initial)	8.0 N/cm	■ Steel (after 14 days)	9.2 N/cm
■ Steel (covered side, initial)	5.0 N/cm	■ Steel (covered side, after 14 days)	7.5 N/cm
■ ABS (initial)	6.6 N/cm	■ ABS (after 14 days)	7.9 N/cm
■ ABS (covered side, initial)	4.2 N/cm	■ ABS (covered side, after 14 days)	6.6 N/cm
■ PC (initial)	8.2 N/cm	■ PC (after 14 days)	9.7 N/cm
■ PC (covered side, initial)	5.4 N/cm	■ PC (covered side, after 14 days)	7.2 N/cm
■ PE (initial)	3.6 N/cm	■ PE (after 14 days)	4.7 N/cm
■ PE (covered side, initial)	1.6 N/cm	■ PE (covered side, after 14 days)	2.6 N/cm
■ PET (initial)	6.5 N/cm	■ PET (after 14 days)	7.0 N/cm
■ PET (covered side, initial)	4.4 N/cm	■ PET (covered side, after 14 days)	5.6 N/cm

### Properties

■ Temperature resistance short term	200 °C	■ Humidity resistance	++
■ Temperature resistance long term	100 °C	■ Resistance to chemicals	++
■ Tack	o	■ Static shear resistance at 23°C	+
■ Ageing resistance (UV)	++	■ Static shear resistance at 40°C	o

Evaluation across relevant tesa® assortment: ++ very good, + good, o medium, - low

For latest information on this product please visit <http://l.tesa.com/?ip=68582>

Page 1 of 1 / As of 07/04/14

#### tesa SE

Quickbornstraße 24  
20253 Hamburg  
Germany  
Phone: +49 (40) 4909 101

**tesa SE**  
A Beiersdorf Company

<http://www.tesa.com>

#### tesa tape inc.

5825 Carnegie Boulevard  
Charlotte, N.C. 28209  
United States of America  
Phone: +1 (704) 554 0707  
Fax: +1 (704) 553 5634  
<http://www.tesatape.com>

#### tesa tape Asia Pacific Pte. Ltd.

9 North Buona Vista Drive  
#04-01 The Metropolis  
Tower 1  
Singapore 138588  
Tel: +65 6697 9888  
Fax: +65 6659 6390  
<http://www.tesa-asia.com>

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 advise you.