



tesa® 68585

Product Information

80µm d/s transparent differential filmic tape

Product Description

tesa® 68585 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® 68585 features esp.

- Thickness: 80µm
- 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

Application Fields

- Mounting of two different substrates, where one is easy and the other difficult to adhere to
- Mounting of speaker mesh and metal housing
- Mounting of metal or plastic badges and signs

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 | • Total thickness | 80 µm |
| • Type of adhesive | tackified acrylic | • Color | 3.1 mils
transparent |

Properties/Performance Values

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



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Adhesion to Values

• ABS (initial)	7.4 N/cm 67.6 oz/in	• PE (covered side, after 14 days)	3.5 N/cm 32 oz/in
• ABS (after 14 days)	9.2 N/cm 84.1 oz/in	• PE (covered side, initial)	3.4 N/cm 31.1 oz/in
• ABS (covered side, after 14 days)	6.9 N/cm 63 oz/in	• PET (initial)	7.2 N/cm 65.8 oz/in
• ABS (covered side, initial)	5.6 N/cm 51.2 oz/in	• PET (after 14 days)	7.8 N/cm 71.3 oz/in
• PC (initial)	9.1 N/cm 83.1 oz/in	• PET (covered side, after 14 days)	5.7 N/cm 52.1 oz/in
• PC (after 14 days)	11 N/cm 100.5 oz/in	• PET (covered side, initial)	5.2 N/cm 47.5 oz/in
• PC (covered side, after 14 days)	8.8 N/cm 80.4 oz/in	• Steel (initial)	9.5 N/cm 86.8 oz/in
• PC (covered side, initial)	7.2 N/cm 65.8 oz/in	• Steel (after 14 days)	10.8 N/cm 98.7 oz/in
• PE (initial)	4.2 N/cm 38.4 oz/in	• Steel (covered side, after 14 days)	8 N/cm 73.1 oz/in
• PE (after 14 days)	5.8 N/cm 53 oz/in	• Steel (covered side, initial)	6.6 N/cm 60.3 oz/in

Additional Information

Liner variants:

PV40 white/red logo glassine paper (71µm; 82g/m²)

PV42 brown glassine paper (71µm; 82g/m²)

PV43 white/blue logo PE-coated paper (122µm, 120g/m²)

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.