



tesa® 68582

Product Information

50µm double sided transparent differential filmic tape

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

Application Fields

- 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 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 | tackified acrylic | • Color of liner | white/blue logo |
| • Type of liner | PE-coated paper | • Thickness of liner | 122 µm |
| • Total thickness | 50 µm | • Weight of liner | 120 g/m ² |

Properties/Performance Values

| | | | |
|--------------------------|-----------|-------------------------------------|--------|
| • Elongation at break | 50 % | • Static shear resistance at 23°C | good |
| • Tensile strength | 20 N/cm | • Static shear resistance at 40°C | medium |
| • Ageing resistance (UV) | very good | • Tack | medium |
| • Chemical Resistance | very good | • Temperature resistance long term | 100 °C |
| • Humidity resistance | very good | • Temperature resistance short term | 200 °C |



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Adhesion to Values

| | | | |
|-------------------------------------|----------|---------------------------------------|----------|
| • ABS (initial) | 6.5 N/cm | • PE (covered side, after 14 days) | 2.6 N/cm |
| • ABS (after 14 days) | 7.9 N/cm | • PE (covered side, initial) | 1.6 N/cm |
| • ABS (covered side, after 14 days) | 6.6 N/cm | • PET (initial) | 6.5 N/cm |
| • ABS (covered side, initial) | 4.2 N/cm | • PET (after 14 days) | 7 N/cm |
| • PC (initial) | 8.2 N/cm | • PET (covered side, after 14 days) | 5.6 N/cm |
| • PC (after 14 days) | 9.7 N/cm | • PET (covered side, initial) | 4.4 N/cm |
| • PC (covered side, after 14 days) | 7.2 N/cm | • Steel (initial) | 8 N/cm |
| • PC (covered side, initial) | 5.4 N/cm | • Steel (after 14 days) | 9.2 N/cm |
| • PE (initial) | 3.6 N/cm | • Steel (covered side, after 14 days) | 7.5 N/cm |
| • PE (after 14 days) | 4.7 N/cm | • Steel (covered side, initial) | 5 N/cm |

Disclaimer

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