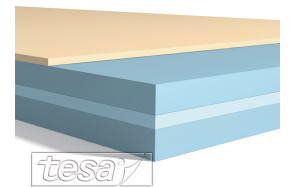




# tesa® 68503

## Product Information



30µm double-sided transparent filmic tape

### Product Description

tesa® 68503 is a transparent, double-sided self-adhesive tape consisting of a PET backing, a tackified acrylic adhesive and double PET liner.

Due to the very smooth and excellent appearance it is the perfect solution for display applications.

tesa® 68503 features esp.

- Thickness: 30µm
- Good adhesion level
- Very smooth appearance
- Excellent resistance to demanding environmental conditions
- Excellent handling performance in converting processes
- Double PET liner (36µm easy-release inside / 50µm tight-release outside)

### Application Fields

- Force touch film bonding
- \* FPC and PCB mounting
- \* LED light bar fixation
- \* Reflector and optical sheet fixation

### 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 material	PET film	• Total thickness	30 µm
• Type of adhesive	tackified acrylic	• Color	transparent
• Type of liner	PET film		



# tesa<sup>®</sup> 68503

## Product Information

### Properties/Performance Values

- |                                   |           |                                     |        |
|-----------------------------------|-----------|-------------------------------------|--------|
| • Ageing resistance (UV)          | very good | • Static shear resistance at 40°C   | good   |
| • Chemical resistance             | good      | • Tack                              | low    |
| • Humidity resistance             | very good | • Temperature resistance long term  | 100 °C |
| • Softener resistance             | good      | • Temperature resistance short term | 200 °C |
| • Static shear resistance at 23°C | good      |                                     |        |

### Adhesion to Values

- |                                    |          |                                       |          |
|------------------------------------|----------|---------------------------------------|----------|
| • PC (initial)                     | 8.5 N/cm | • PET (after 14 days)                 | 6.6 N/cm |
| • PC (after 14 days)               | 8.9 N/cm | • PET (covered side, after 14 days)   | 6.4 N/cm |
| • PC (covered side, after 14 days) | 8.5 N/cm | • PET (covered side, initial)         | 6.3 N/cm |
| • PC (covered side, initial)       | 8 N/cm   | • PMMA (initial)                      | 8.2 N/cm |
| • PE (initial)                     | 4.2 N/cm | • PMMA (after 14 days)                | 8.2 N/cm |
| • PE (after 14 days)               | 4.7 N/cm | • Steel (initial)                     | 7.2 N/cm |
| • PE (covered side, after 14 days) | 4.7 N/cm | • Steel (after 14 days)               | 8.1 N/cm |
| • PE (covered side, initial)       | 4.2 N/cm | • Steel (covered side, after 14 days) | 8.3 N/cm |
| • PET (initial)                    | 6.2 N/cm | • Steel (covered side, initial)       | 7.7 N/cm |

### 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.



For latest information on this product please visit <http://l.tesa.com/?ip=68503>