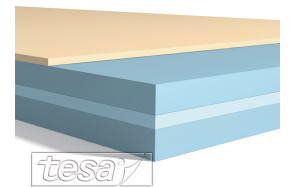




# tesa® 68505

## Product Information



50µm double sided transparent filmic tape

### Product Description

tesa® 68505 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® 68505 features esp.

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

### Application Fields

tesa® 68505 is used for mounting and laminating applications especially for display applications like:

- \* 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 | 50 µm       |
| • Type of adhesive | tackified acrylic | • Color           | transparent |

For latest information on this product please visit <http://l.tesa.com/?ip=68505>



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## Product Information

### Properties/Performance Values

- |                          |           |                                     |        |
|--------------------------|-----------|-------------------------------------|--------|
| • Elongation at break    | 50 %      | • Static shear resistance at 23°C   | medium |
| • Ageing resistance (UV) | very good | • Tack                              | good   |
| • Humidity resistance    | very good | • Temperature resistance long term  | 100 °C |
| • Softener resistance    | very good | • Temperature resistance short term | 200 °C |

### Adhesion to Values

- |                                    |          |                                       |          |
|------------------------------------|----------|---------------------------------------|----------|
| • PC (initial)                     | 6.1 N/cm | • PET (after 14 days)                 | 6.1 N/cm |
| • PC (after 14 days)               | 6.8 N/cm | • PET (covered side, after 14 days)   | 5.5 N/cm |
| • PC (covered side, after 14 days) | 6.9 N/cm | • PET (covered side, initial)         | 5.7 N/cm |
| • PC (covered side, initial)       | 6.8 N/cm | • PMMA (initial)                      | 6.8 N/cm |
| • PE (initial)                     | 4.1 N/cm | • PMMA (after 14 days)                | 7.3 N/cm |
| • PE (after 14 days)               | 4.3 N/cm | • Steel (initial)                     | 6.5 N/cm |
| • PE (covered side, after 14 days) | 4.3 N/cm | • Steel (after 14 days)               | 7.3 N/cm |
| • PE (covered side, initial)       | 3.5 N/cm | • Steel (covered side, after 14 days) | 7.3 N/cm |
| • PET (initial)                    | 5.5 N/cm | • Steel (covered side, initial)       | 6.8 N/cm |

## 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.



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