

## tesa® 4965

### 205µm double sided transparent filmic tape

tesa® 4965 is a transparent double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive.

tesa® 4965 features especially:

- Reliable bond even to LSE substrates
- Immediate usability right after assembly
- Suitability for most demanding applications such as heavy stress, high temperatures or critical substrates

## Main Application

- Mounting of ABS plastic parts in the car industry
- Self-adhesive mounting of rubber/EPDM profiles
- Mounting of decorative profiles and mouldings in the furniture industry
- Mounting of battery packs, lenses and touch-screens in electronic devices

4965 is recognized according to UL standard 969. UL file: MH 18055

Certificate available according to DIN EN 45545-2 fulfilling 2R1+HL3

## Technical Data

|                    |             |                       |                   |
|--------------------|-------------|-----------------------|-------------------|
| ▪ Backing material | PET film    | ▪ Type of adhesive    | tackified acrylic |
| ▪ Color            | transparent | ▪ Elongation at break | 50 %              |
| ▪ Total thickness  | 205 µm      | ▪ Tensile strength    | 20 N/cm           |

## Adhesion to

|                       |           |                             |           |
|-----------------------|-----------|-----------------------------|-----------|
| ▪ Steel (initial)     | 11.5 N/cm | ▪ Steel (after 14 days)     | 11.8 N/cm |
| ▪ ABS (initial)       | 10.3 N/cm | ▪ ABS (after 14 days)       | 12.0 N/cm |
| ▪ Aluminium (initial) | 9.2 N/cm  | ▪ Aluminium (after 14 days) | 10.6 N/cm |
| ▪ PC (initial)        | 12.6 N/cm | ▪ PC (after 14 days)        | 14.0 N/cm |
| ▪ PE (initial)        | 5.8 N/cm  | ▪ PE (after 14 days)        | 6.9 N/cm  |
| ▪ PET (initial)       | 9.2 N/cm  | ▪ PET (after 14 days)       | 9.5 N/cm  |
| ▪ PP (initial)        | 6.8 N/cm  | ▪ PP (after 14 days)        | 7.9 N/cm  |
| ▪ PS (initial)        | 10.6 N/cm | ▪ PS (after 14 days)        | 12.0 N/cm |
| ▪ PVC (initial)       | 8.7 N/cm  | ▪ PVC (after 14 days)       | 13.0 N/cm |

For latest information on this product please visit <http://l.tesa.com/?ip=04965>

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### Properties

|                                     |         |                                   |       |
|-------------------------------------|---------|-----------------------------------|-------|
| ▪ Temperature resistance short term | 200 °C  | ▪ Resistance to chemicals         | ● ● ● |
| ▪ Temperature resistance long term  | 100 °C  | ▪ Softener resistance             | ● ● ● |
| ▪ Tack                              | ● ● ●   | ▪ Static shear resistance at 23°C | ● ● ● |
| ▪ Ageing resistance (UV)            | ● ● ● ● | ▪ Static shear resistance at 40°C | ● ● ● |
| ▪ Humidity resistance               | ● ● ● ● |                                   |       |

Evaluation across relevant tesa® assortment: ● ● ● ● very good ● ● ● good ● ● medium ● low

### Additional Information

Liner variants:

PV0 red MOPP-film (80µm; 72g/m<sup>2</sup>)

PV1 brown glassine paper (69µm; 80g/m<sup>2</sup>)

PV2: brown glassine paper (78µm; 90g/m<sup>2</sup>)

This product information applies to PV1

According to VDA278 analysis, tesa 4965 does not contain any single substances restricted by the drafted GB regulations (China) as well as the indoor concentration guideline by Health, Labour and Welfare Ministry (Japan).

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