# tesa® 59650 - Team 4965 Thin 160µm

## Product Information

160µm double sided transparent film tape

### Product Description

tesa® 4965 Thin is a transparent double-sided self-adhesive tape consisting of a PET backing and a modified acrylic adhesive and is based on a patented and protected product formulation. Several products are equipped with this unique and high performing product design and together these products make up Team 4965. This double-sided film tape assortment helps to easily select the most efficient tape based on customer demands, products, and processes. Order tesa® 4965 Thin using product number tesa® 59650. Explore the benefits of the full tesa® 4965 assortment here.

tesa® 4965 Thin features:

- Extremely high holding power even at elevated temperatures
- Superior converting performance due to strong PET backing and reduced adhesive mass flow
- Good bonding performance even to LSE materials

### Product Features

- tesa® 4965 Original in 160µm
- High bonding strength despite thin tape design
- Skin contact certification according to ISO 10993-5 and ISO 10993-10
- Reliable bond, often also on low surface energy surfaces
- High holding power at elevated temperatures
- Low VOC – measured according to VDA 278 analysis
- Outstanding converting and die-cutting properties

### Application Fields

- Mounting lenses to mobile phone housings * Mounting of ABS plastic parts in the automotive industry * Mounting of decorative profiles and mouldings in the furniture industry

## 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 | red |
| • Type of liner | MOPP | • Thickness of liner | 80 µm |
| • Total thickness | 160 µm | • Weight of liner | 72 g/m² |

**For latest information on this product please visit http://l.tesa.com/?ip=59650**

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## Product Information

### Properties/Performance Values

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

### Adhesion to Values

- ABS (initial): 9.8 N/cm
- ABS (after 14 days): 10.8 N/cm
- Aluminium (initial): 9.6 N/cm
- Aluminium (after 14 days): 12.2 N/cm
- PC (initial): 11.7 N/cm
- PC (after 14 days): 13.1 N/cm
- PE (initial): 5.2 N/cm
- PE (after 14 days): 5.7 N/cm
- PET (initial): 9.3 N/cm
- PET (after 14 days): 10.5 N/cm
- PP (initial): 5.3 N/cm
- PP (after 14 days): 7 N/cm
- PS (initial): 10.2 N/cm
- PS (after 14 days): 11.1 N/cm
- PVC (initial): 8.9 N/cm
- PVC (after 14 days): 11.9 N/cm
- Steel (initial): 11.3 N/cm
- Steel (after 14 days): 13.4 N/cm

### Additional Information

According to VDA278 analysis, tesa® 4965 Thin 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).

## Disclaimer



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