



# tesa<sup>®</sup> 59650 Thin

## Product Information

160µm / 6.3 mils double sided transparent film tape



## Product Description

tesa<sup>®</sup> 59650 - Team 4965 Thin is a transparent, double-sided industrial mounting tape consisting of a PET backing and a modified acrylic adhesive. The double-sided mounting tape is a thin version of tesa<sup>®</sup> 4965 Original and its adhesive is based on a patented and protected product technology. tesa<sup>®</sup> 59650 - Team 4965 Thin is used in various different industries, frequently used to bond components within electronic devices or mount decorative profiles and moldings in the furniture industry. The double-sided industrial mounting tape is able to withstand numerous environmental factors such as humidity, UV-light and temperatures of up to 200°C for limited periods of time. The tackified acrylic adhesive makes for an excellent hold on various surfaces, high tack, and good shear strength.

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. Explore the benefits of the full tesa<sup>®</sup> 4965 assortment here:

<https://www.tesa.com/en-us/industry/general-applications/mounting/team-4965-assortment>

## Product Features

- High bonding strength despite thin tape design
- Immediate usability right after assembly
- Reliable bond even on low surface energy surfaces
- High holding power at elevated temperatures
- Good converting properties

## Application Fields

- tesa<sup>®</sup> 59650 - Team 4965 Thin is used in various different industries
- Frequently used to bond components within electronic devices
- Mounting of decorative profiles and moldings in the furniture industry
- ABS plastics parts mounting for the car industry
- Mounting lenses to mobile phone housings



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### 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	TPP	• Thickness of liner	80 µm
• Total thickness	160 µm 6.3 mils	• Weight of liner	3.1 mils 72 g/m <sup>2</sup>

### Properties/Performance Values

• Elongation at break	50 %	• Static shear resistance at 23°C	very good
• Tensile strength	20 N/cm 11.4 lbs/in	• Static shear resistance at 40°C	very good
• Ageing resistance (UV)	good	• Tack	good
• Chemical Resistance	good	• Temperature resistance long term	100 °C 212 °F
• Humidity resistance	very good	• Temperature resistance min.	-40 °C -40 °F
• Softener resistance	good	• Temperature resistance short term	200 °C 392 °F

### Adhesion to Values

• ABS (initial)	9.8 N/cm 89.5 oz/in	• PET (after 14 days)	10.5 N/cm 95.9 oz/in
• ABS (after 14 days)	10.8 N/cm 98.7 oz/in	• PP (initial)	5.3 N/cm 48.4 oz/in
• Aluminium (initial)	9.6 N/cm 87.7 oz/in	• PP (after 14 days)	7 N/cm 64 oz/in
• Aluminium (after 14 days)	12.2 N/cm 111.5 oz/in	• PS (initial)	10.2 N/cm 93.2 oz/in
• PC (initial)	11.7 N/cm 106.9 oz/in	• PS (after 14 days)	11.1 N/cm 101.4 oz/in
• PC (after 14 days)	13.1 N/cm 119.7 oz/in	• PVC (initial)	8.9 N/cm 81.3 oz/in
• PE (initial)	5.2 N/cm 47.5 oz/in	• PVC (after 14 days)	11.9 N/cm 108.7 oz/in
• PE (after 14 days)	5.7 N/cm 52.1 oz/in	• Steel (initial)	11.3 N/cm 103.2 oz/in
• PET (initial)	9.3 N/cm 85 oz/in	• Steel (after 14 days)	13.4 N/cm 122.4 oz/in

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



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### Additional Information

According to VDA278 analysis, tesa<sup>®</sup> 59650 - Team 4965 Thin does not contain any single substances restricted by the drafted GB regulations (China) as well as the indoor concentration guideline by Health, Labor and Welfare Ministry (Japan).

## 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=59650>