



tesa[®] 59650 - Team 4965 Thin 160µm



Product Information

160µm double sided transparent PET film tape

Product Description

tesa[®] 59650 – Team 4965 Thin is a transparent, double-sided industrial mounting tape consisting of a PET backing and a tackified acrylic adhesive. The double-sided mounting tape is a 160µm thin version of tesa[®] 4965 Original and its adhesive is based on a patented and protected product technology. tesa[®] 59650 – Team 4965 Thin is used in various different industries, frequently for bonding components within electronic devices or mounting 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 offers excellent hold on various surfaces, high tack, and good shear strength.

Several products are equipped with this unique and high-performing product design. 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[®] 4965 assortment here:

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

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

- tesa[®] 59650 – Team 4965 Thin is used in various different industries
- Frequently used for bonding components within electronic devices
- Mounting decorative profiles and moldings in the furniture industry
- ABS plastic-parts mounting for the car industry
- Mounting lenses to mobile-phone housings

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



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Product Information

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/m ² |

Properties/Performance Values

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

Adhesion to Values

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



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Additional Information

Low VOC – measured according to VDA 278 analysis, tesa[®] 59650 – Team 4965 Thin does not contain any single substances restricted by the drafted GB regulations (China).

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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