



tesa[®] 4965 Original

Product Information

205µm/8.1 mils double-sided transparent PET film tape



Product Description

tesa[®] 4965 Original is a transparent, double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive. Its adhesive technology 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. Explore the full assortment at <https://www.tesa.com/en-us/industry/general-applications/mounting/team-4965-assortment>.

Product Features

- Reliable bond even on hard to stick surfaces
- Suitability for critical demands such as heavy stress and high temperatures
- Immediate usability right after assembly

Application Fields

Based on tesa[®] 4965's patented and protected technology, its unique performance is demonstrated through outstanding qualities such as versatility, durability and safety. Across all industries tesa[®] 4965 Original is used to improve processes and applications. Key applications include:

- ABS plastics parts mounting for the car industry
- Self-adhesive mounting for rubber/EPDM profiles
- Decorative moulding and profile mounting in the furniture industry
- Battery pack, lens and touch-screen mounting for 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 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 | 205 µm |
| • Type of adhesive | tackified acrylic | • Color | 8.1 mils
transparent |

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



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Properties/Performance Values

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

Adhesion to Values

• ABS (initial)	10.3 N/cm 94.1 oz/in	• PET (after 14 days)	9.5 N/cm 86.8 oz/in
• ABS (after 14 days)	12 N/cm 109.6 oz/in	• PP (initial)	6.8 N/cm 62.1 oz/in
• Aluminium (initial)	9.2 N/cm 84.1 oz/in	• PP (after 14 days)	7.9 N/cm 72.2 oz/in
• Aluminium (after 14 days)	10.6 N/cm 96.8 oz/in	• PS (initial)	10.6 N/cm 96.8 oz/in
• PC (initial)	12.6 N/cm 115.1 oz/in	• PS (after 14 days)	12 N/cm 109.6 oz/in
• PC (after 14 days)	14 N/cm 127.9 oz/in	• PVC (initial)	8.7 N/cm 79.5 oz/in
• PE (initial)	5.8 N/cm 53 oz/in	• PVC (after 14 days)	13 N/cm 118.8 oz/in
• PE (after 14 days)	6.9 N/cm 63 oz/in	• Steel (initial)	11.5 N/cm 105.1 oz/in
• PET (initial)	9.2 N/cm 84.1 oz/in	• Steel (after 14 days)	11.8 N/cm 107.8 oz/in

Additional Information

Liner variants:

- PV0: red MOPP-film (80 µm / 3.1 mils; 72g/m²)
- PV1: brown glassine paper (69 µm / 2.7 mils; 80g/m²)
- PV2: brown glassine paper (78 µm / 3.1 mils; 90g/m²)
- PV4: branded white paper liner (104 µm / 4.1 mils; 120g/m²)
- PV8: white MOPP friction liner (80 µm / 3.1 mils; 72g/m²)

Technical values may slightly vary depending on liner and substrate.

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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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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