

tesa® 4965 Original



Product Information

205µm double sided transparent film tape

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/industry/general-applications/mounting/team-4965-assortment>.

tesa® 4965 Original features:

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

Main Application

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.

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 |

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

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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

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/m²)
- PV1: brown glassine paper (69µm; 80g/m²)
- PV2: brown glassine paper (78µm; 90g/m²)
- PV4: branded white paper liner (104µm; 120g/m²)
- PV8: white MOPP friction liner (80µm; 72g/m²)
- PV20: branded brown paper liner (69µm; 80g/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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