

tesa® 4965



product information

205µm/8.1 mils double sided transparent filmic tape

tesa® 4965 is a transparent, double-sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive.

tesa® 4965 features especially:

- 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 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

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Adhesion to

• Steel (initial)	11.5 N/cm 105.1 oz/in	• Steel (after 14 days)	11.8 N/cm 107.8 oz/in
• ABS (initial)	10.3 N/cm 94.1 oz/in	• ABS (after 14 days)	12.0 N/cm 109.6 oz/in
• Aluminium (initial)	9.2 N/cm 84.1 oz/in	• Aluminium (after 14 days)	10.6 N/cm 96.8 oz/in
• PC (initial)	12.6 N/cm 115.1 oz/in	• PC (after 14 days)	14.0 N/cm 127.9 oz/in
• PE (initial)	5.8 N/cm 53 oz/in	• PE (after 14 days)	6.9 N/cm 63 oz/in
• PET (initial)	9.2 N/cm 84.1 oz/in	• PET (after 14 days)	9.5 N/cm 86.8 oz/in
• PP (initial)	6.8 N/cm 62.1 oz/in	• PP (after 14 days)	7.9 N/cm 72.2 oz/in
• PS (initial)	10.6 N/cm 96.8 oz/in	• PS (after 14 days)	12.0 N/cm 109.6 oz/in
• PVC (initial)	8.7 N/cm 79.5 oz/in	• PVC (after 14 days)	13.0 N/cm 118.8 oz/in

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)

This product information applies to PV1

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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