

Product Information

Double-coated tape with high shear and temperature resistance

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

tesa® 4965 features:

- Reliable bond even to LSE substrates
- Immediate usability after assembly
- Suitability for most demanding applications such as heavy stress, high temperatures or critical substrates

Main Application

- Mounting of ABS plastic parts in the car industry
- Self-adhesive mounting of rubber/EPDM profiles
- Mounting of decorative profiles and mouldings in the furniture industry
- Mounting of battery packs, lenses and touch-screens in electronic devices

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
• Colour	transparent	• Elongation at break	50 %
• Total thickness	205 µm	• Tensile strength	20 N/cm

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

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Additional Information

Liner variants:

PV0 red MOPP-film (80µm; 72g/m²)

PV1 brown glassine paper (71µm; 82g/m²)

PV4 white with blue tesa® logo PE-coated paper (118µm; 120g/m²)

PV7 transparent PET-film (50µm; 72g/m²)

PV11 white PET-film (50µm; 72g/m²)

PV36 double-liner: red MOPP-film (80µm; 72g/m²) and brown glassine paper (71µm; 82g/m²)

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.