



# tesa® 4965

## Product Information



Double-coated tape with high shear and temperature resistance

### Product Description

tesa® 4965 is a transparent, double sided self-adhesive tape consisting of a PET backing and a tackified acrylic adhesive. The bonding tape is suitable for the most demanding applications such as heavy stress, high temperatures of up to 200°C and critical substrates. tesa® 4965 features an especially reliable bond, even to low surface energy substrates. The mounting tape is highly resistant to ageing, humidity and UV light and can withstand softeners and chemicals. tesa® 4965 features a good tack and immediate usability right after assembly. The high-performance tape shows excellent performance in demanding industrial, permanent and outdoor applications. The tape is available with several liner variants. tesa® 4965 is recognised according to UL standard 969. UL file: MH 18055. Thanks to its outstanding technical specifications, this extensively tested adhesive tape fulfils all the requirements of DIN EN 45545-2 R1 and HL3, the highest hazard level.

### Sustainable Aspects

- tesa® 4965 Original Next Gen with -40% CO<sub>2</sub> emissions compared to tesa® 4965 Original
- Biomass balanced tackified acrylic adhesive
- 90% PCR PET in the backing



For more information: <https://www.tesa.com/product-sustainability>

### Product Features

- Suitability for critical demands such as heavy stress and high temperatures
- Skin contact certification according to ISO 10993-5 and ISO 10993-10
- In accordance with UL standard 969. UL file: MH 18055
- Reliable bond, often also on low surface energy surfaces
- Immediate usability right after assembly
- Tested according to DIN EN 45545-2 fulfilling 2R1+HL3
- Low VOC – measured according to VDA 278 analysis

### Applications

- tesa® 4965 is an acrylic tape for highly demanding applications
- 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

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



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### Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

### Applications

• Backing	Post consumer recycled PET	• Total thickness	205 µm
• Bio-based carbon content of liner (acc. DIN EN 16640)	90 %	• Color	transparent
• Type of adhesive	tackified acrylic	• Color of liner	red
• Type of liner	MOPP	• Thickness of liner	80 µm

### 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)	10.3 N/cm	• PET (after 14 days)	9.5 N/cm
• ABS (after 14 days)	12 N/cm	• PP (initial)	6.8 N/cm
• Aluminium (initial)	9.2 N/cm	• PP (after 14 days)	7.9 N/cm
• Aluminium (after 14 days)	10.6 N/cm	• PS (initial)	10.6 N/cm
• PC (initial)	12.6 N/cm	• PS (after 14 days)	12 N/cm
• PC (after 14 days)	14 N/cm	• PVC (initial)	8.7 N/cm
• PE (initial)	5.8 N/cm	• PVC (after 14 days)	13 N/cm
• PE (after 14 days)	6.9 N/cm	• Steel (initial)	11.5 N/cm
• PET (initial)	9.2 N/cm	• Steel (after 14 days)	11.8 N/cm



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### Certificates

#### Sustainability Certificates

tesa® 4965 Original Next Gen contains a total of 62% biocarbon content (including red MOPP liner), which is composed of 20% bio-based carbon content directly derived from biological sources and 42% bio-attributed carbon content from the use of biomass balanced adhesive components that are ISCC PLUS certified.

The double-sided mounting tape contains a 90% recycled PET backing, resulting in an average of 5% post-consumer recycled content (including red MOPP liner) in the tape. This is a third-party environmental claim validated against the UL Environmental Claim Validation Procedure 2809 for recycled content. The UL Environmental Claim Validation Program falls under UL's ISO/IEC 17025 accreditation.

#### Additional Information

Liner variants:

PV0 red MOPP-film (80µm; 72g/m<sup>2</sup>)

PV1 brown glassine paper (71µm; 82g/m<sup>2</sup>)

PV4 white with blue tesa® logo PE-coated paper (118µm; 120g/m<sup>2</sup>)

PV11 white PET-film (50µm; 72g/m<sup>2</sup>)

PV36 double-liner: red MOPP-film (80µm; 72g/m<sup>2</sup>) and brown glassine paper (71µm; 82g/m<sup>2</sup>)

This product information applies to PV1

### 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.



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