

## tesa 4965

### Double-coated Tape with High Shear and Temperature Resistance

#### Product Description/ Application:

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

tesa 4965 features esp.

- reliable bond even to LSE substrates
- immediate usability right after assembly
- suitability for most demanding applications such as heavy stress, high temperatures or critical substrates

tesa 4965 is used for applications like

- 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 touchscreens in electronic devices

#### Product Design:

Backing	Adhesive	Thickness*	Colour
PET	modified acrylic	205 µm	transparent

#### Liner:

Colour	Type	Thickness*	Weight*
red	MOPP film	80 µm	72 g/m <sup>2</sup>
brown	glassine paper	71 µm	83 g/m <sup>2</sup>
white	PE-coated paper	118 µm	120 g/m <sup>2</sup>

\* Mean values / parameter of the specification

#### Dimensions:

Stock Items	
50 m	9, 12, 19, 25, 50 mm

Other dimensions on request.

# Technical Data 4965

## Mean values / parameters of the specification

Peel adhesion on different surfaces:

	immediately [N/cm]	after 14 days [N/cm]
Steel	11,5	14,0
Aluminium	10,2	12,6
ABS	10,8	11,9
PC	12,2	13,4
PS	10,4	12,1
PET	9,8	11,9
PVC	9,6	12,8
PP	6,0	8,8
PE	5,6	6,6

### Temperature resistance

Short Term	200 °C
Long Term	100 °C

### Mechanical properties

Tensile strength	≥ 30 N/15mm
Elongation	≥ 50 %

## Results of laboratory evaluation

### Static shear resistance [g] at different temperatures

(Bonding area: 20 mm x 13 mm, stainless steel, 10 min dwell time)

Temperature	Weight loading	Minutes to fail
23°C	500 g	> 10000 min*
40°C	250 g	> 10000 min*
70° C	125 g	> 10000 min*

(\* Test discontinued after 10.000 min)

<b>Tack (Rolling Ball)</b>	o
<b>Softener resistance</b>	+
<b>Humidity resistance</b>	++
<b>Solvent resistance</b>	++
<b>Ageing resistance (UV)</b>	++
Evaluation:	very good ( ++ )      good ( + )      medium ( O )      low ( - )

#### tesa AG

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tesa self-adhesive tapes are used successfully in many sectors to solve a variety of problems. Our publications contain numerous examples of such uses, intended to help towards a solution of your particular problems. Each tesa product has been developed for a particular range of applications. Nevertheless, experience has shown that even for one and the same objective, the exact requirements may differ from case to case. We, therefore, recommend that you carry out your own tests in each case, to confirm that the tesa self-adhesive tape which you envisage using is appropriate for your particular application. The Advisory Section of our Technical Service Department will be happy to assist. All information and recommendations are given by us in good faith, on the basis of practical experience, but without warranty.



Quality  
management

## Internal page - Product information

Product name and -number: tesa 4965

Date of last Version:	Date of Alteration	Subject of Alteration	Kst / PM	Kst. / F & E
	06/00	Modification layout, adding of technical data	3510/ von Schwerdtner	3244/ Lohmann
	04/02	Modification of technical data	7100/ Reinhardt	7110/ Peters
	03/03	Modification short-term temperatures resistance	7100/Reinhardt	7110/Peters
	07/03	Modification shear resistance	7100/Reinhardt	7110/Peters

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