



# tesa® 49652 - Team 4965 High Transparency

## Product Information



205µm double sided transparent PET film tape with double liner

### Product Features

- Double liner for improving transparency and product stability
- Reliable bond even on low surface energy surfaces
- Immediate usability right after assembly
- High resistance to demanding environmental conditions
- Good handling performance in converting processes

### Product Description

tesa® 49652 - Team 4965 High Transparency is a high transparent, double-sided industrial mounting tape consisting of a PET backing and a tackified acrylic adhesive. The double-sided mounting tape is the high transparent version of tesa® 4965 Original and its adhesive is based on a patented and protected product technology. Across many industries tesa® 49652 - Team 4965 High Transparency is used to improve processes and applications especially those requiring visual inspection or a crystal-clear bond. The double-sided industrial mounting tape is able to withstand numerous environmental factors such as humidity, UV-light and temperatures of up to 200°C for limited periods of time. The tackified acrylic adhesive makes for an excellent hold on various surfaces, high tack, and good shear strength.

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 benefits of the full tesa® 4965 assortment here:

<https://www.tesa.com/en/industry/general-applications/mounting/team-4965-assortment>

### Application Fields

- tesa® 49652 - Team 4965 High Transparency is used for processes requiring visual inspection or a crystal-clear bond
- Glass to glass bonding
- Lamination of different card layers
- Microplate sealing
- Personal protection and medical equipment manufacturing

### Technical Information (average values)

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

### Product Construction

- |                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| • Total thickness | 205 µm      | • Backing material | PET film          |
| • Color           | transparent | • Type of adhesive | tackified acrylic |

For latest information on this product please visit  
<http://l.tesa.com/?ip=49652>



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#### Properties/Performance Values

• Elongation at break	50 %	• Tack	good
• Static shear resistance at 23°C	good	• Tensile strength	20 N/cm
• Chemical resistance	good	• Softener resistance	good
• Static shear resistance at 40°C	good	• Ageing resistance (UV)	very good
• Temperature resistance long term	100 °C	• Humidity resistance	very good
• Temperature resistance short term	200 °C		

#### Adhesion to Values

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

#### Additional Information

Liner variants:

- PV37 double liner: 36µm PET (36µm; 80g/m<sup>2</sup>) and brown glassine paper (69µm; 80g/m<sup>2</sup>)

#### 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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