



tesa® 49652

Product Information



205µm double sided transparent film tape
Also referred to as order number tesa® 49652

Product Description

tesa® 4965 High Transparency is based on a patented and protected product formulation. 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. tesa® 4965 High Transparency can be ordered using order number tesa® 49652. Explore the benefits of the full tesa® 4965 assortment here: <https://www.tesa.com/en/industry/general-applications/mounting/team-4965-assortment>

tesa® 4965 High Transparency features:

- Has a double liner which provides improved product stability
- Suitability for critical demands such as heavy stress and high temperatures
- Withstands chemical components

Sustainable Aspects

- Biomass balanced tackified acrylic adhesive
- 90% PCR PET in the backing



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

Product Features

- tesa® 4965 Original Next Gen with double liner for improved transparency and product stability
- Reliable bond, often also on low surface energy surfaces
- Skin contact certification according to ISO 10993-5 and ISO 10993-10
- Immediate usability right after assembly
- Low VOC – measured according to VDA 278 analysis
- Outstanding converting and die-cutting properties

Application Fields

Across many industries tesa® 4965 High Transparency is used to improve processes and applications especially those requiring visual inspection or a crystal-clear bond. Key applications include:

- Glass to glass bonding
- Lamination of different card layers
- Microplate sealing

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



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Application Fields

- Personal protection & 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

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

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) | very good | • Tack | good |
| • Chemical resistance | good | • Temperature resistance long term duration | 100 °C |
| • Humidity resistance | very good | • Temperature resistance min. | -40 °C |
| • Softener resistance | good | • Temperature resistance short term duration | 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 |

Additional Information

Liner variants:

PV37 double liner: 36µm PET (36µm; 80g/m²) and brown glassine paper (69µm; 80g/m²)



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Disclaimer

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