



tesa[®] 49652

- Team 4965 High Transparency



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

Product Features

- Double liner for improving transparency and product stability
- Reliable bond even 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
- Good handling performance in converting processes

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
- 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.

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



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Product Information

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	good, medium
• Tensile strength	20 N/cm	• Static shear resistance at 40°C	good, medium
• Ageing resistance (UV)	very good	• Tack	good, medium
• Chemical resistance	good	• Temperature resistance long term duration	100 °C
• Humidity resistance	very good	• Temperature resistance min.	-40 °C
• Softener resistance	good, medium	• 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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