



tesa[®] 4945

Product Information

205µm double sided transparent film tape

Product Description

tesa[®] 4965 Die-Cut 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. Order tesa[®] 4965 Die-Cut using order number tesa[®] 54965. Explore the benefits of the full tesa[®] 4965 assortment here: <https://www.tesa.com/en-sg/industry/general-applications/mounting/team-4965-assortment>

tesa[®] 4965 Die-Cut features:

- Easy and robust die-cutting opportunities
- Specific shape designs for demanding applications
- Reliable bond even on hard to stick surfaces
- Immediate usability right after assembly

Product Features

- In accordance with UL standard 969
- Skin contact certification according to ISO 10993-5 and ISO 10993-10
- Reliable bond, often also on low surface energy surfaces
- Immediate usability right after assembly
- Low VOC – measured according to VDA 278 analysis

Application Fields

- Emblem mounting
- Display mounting on appliances

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 | Post consumer recycled PET | • Color | transparent |
| • Bio-based carbon content of liner (acc. DIN EN 16640) | 90 % | • Color of liner | brown/blue logo |
| • Type of adhesive | tackified acrylic | • Thickness of liner | 69 µm |
| • Type of liner | paper | • Weight of liner | 80 g/m ² |
| • Total thickness | 100 µm | | |

For latest information on this product please visit <http://l.tesa.com/?ip=04945>



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Product Information

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)	5.3 N/cm	• PET (after 14 days)	7 N/cm
• ABS (after 14 days)	6.5 N/cm	• PP (initial)	3.3 N/cm
• Aluminium (initial)	5.2 N/cm	• PP (after 14 days)	4.8 N/cm
• Aluminium (after 14 days)	7.7 N/cm	• PS (initial)	5.4 N/cm
• PC (initial)	6.5 N/cm	• PS (after 14 days)	7.1 N/cm
• PC (after 14 days)	8.6 N/cm	• PVC (initial)	5.7 N/cm
• PE (initial)	3.1 N/cm	• PVC (after 14 days)	9.4 N/cm
• PE (after 14 days)	3.5 N/cm	• Steel (initial)	7 N/cm
• PET (initial)	5.3 N/cm	• Steel (after 14 days)	9.6 N/cm

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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