



tesa[®] 75505

- Team 4965 Transfer 50µm / 2 mils



Product Information

Double-sided, tackified acrylic transfer tape

Product Description

tesa[®] 75505 - Team 4965 Transfer 50µm / 2 mils is a conformable, tackified acrylic transfer tape. It is equipped with our proven and well-known tesa[®] 4965 adhesive which is transparent, ageing resistant and has a high initial tack. tesa[®] 75505 - Team 4965 Transfer 50µm / 2 mils therefore offers very good immediate grab to uneven surfaces and is suitable for a wide range of applications, such as lamination of lightweight, thin materials.

Several products are equipped with this unique and high performing tesa[®] 4965 adhesive 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-us/industry/general-applications/mounting/team-4965-assortment>

Product Features

- Very good temperature and humidity resistance
- Skin contact certification according to ISO 10993-5 and ISO 10993-10
- In accordance with UL standard 969. UL file: MH18055
- Good die cutting properties
- Very good initial adhesion to a wide variety of substrates
- Excellent conformability due to transfer tape design
- Low VOC - measured according to VDA 278 analysis

Application Fields

tesa[®] 75505 - Team 4965 Transfer 50µm / 2 mils is suitable for mounting and lamination applications of flexible materials and lightweight parts.

Example applications are:

- Mounting of lightweight parts and materials
- Mounting of foams, felts, fabrics and textiles
- Lamination of insulation materials
- Mounting of flooring systems
- Membrane switch mounting
- Splicing



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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	none	• Color	transparent
• Type of adhesive	tackified acrylic	• Color of liner	brown/blue logo
• Type of liner	glassine	• Thickness of liner	70 µm
• Total thickness	50 µm 2 mils	• Weight of liner	2.8 mils 80 g/m ²

Properties/Performance Values

• Ageing resistance (UV)	good	• Static shear resistance at 40°C	very good
• Chemical Resistance	good	• Tack	good
• Humidity resistance	very good	• Temperature resistance long term	100 °C 212 °F
• Softener resistance	good	• Temperature resistance min.	-40 °C -40 °F
• Static shear resistance at 23°C	very good	• Temperature resistance short term	200 °C 392 °F

Adhesion to Values

• ABS (initial)	8 N/cm 73.1 oz/in	• PP (initial)	2 N/cm 18.3 oz/in
• ABS (after 14 days)	9 N/cm 82.2 oz/in	• PP (after 14 days)	4 N/cm 36.5 oz/in
• Aluminium (initial)	7 N/cm 64 oz/in	• PS (initial)	7 N/cm 64 oz/in
• Aluminium (after 14 days)	7.5 N/cm 68.5 oz/in	• PS (after 14 days)	9 N/cm 82.2 oz/in
• PC (initial)	9 N/cm 82.2 oz/in	• PVC (initial)	7 N/cm 64 oz/in
• PC (after 14 days)	9.5 N/cm 86.8 oz/in	• PVC (after 14 days)	11 N/cm 100.5 oz/in
• PE (initial)	2 N/cm 18.3 oz/in	• Steel (initial)	8 N/cm 73.1 oz/in
• PE (after 14 days)	3.5 N/cm 32 oz/in	• Steel (after 14 days)	8.5 N/cm 77.7 oz/in
• PET (after 14 days)	7 N/cm 64 oz/in	• Steel (after 3 days)	8 N/cm 73.1 oz/in



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Additional Information

Liner variants:

- PV12: transparent PET liner (75µm, 3 mils; 105g/m²)
- PV20: branded brown paper liner (70µm, 2.8 mils; 80g/m²)
- PV21: white glassine paper liner (78µm, 3.1 mils; 90g/m²)

Dimensionally stable PV12 PET liner is best suitable for applications, shipping and storage with exposure to high humidity conditions.

Low VOC - measured according to VDA 278 analysis, tesa[®] 75505 does not contain any single substances restricted by the drafted GB regulations (China).

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.



For latest information on this product please visit <http://l.tesa.com/?ip=75505>