

tesa® 52105 Ultra Low VOC

50 µm double-sided, transparent, water-based acrylic transfer tape for lamination applications in automotive interior

tesa® 52105 is a conformable, transparent water-based acrylic transfer tape with a thickness of 50 µm. This tape has especially been developed for all kinds of demanding lamination and converting applications. Due to its low VOC property it is particularly designed to meet automotive interior requirements.

tesa® 52105 is suitable for laminating all kinds of foam, fleece, and felt substrates.

This product is also available in 100µm (tesa® 52110).

Main features:

- Available in efficient lengths and widths
- Low VOC (according to GB 27630) – no critical substances detectable
- Highly conformable to follow difficult 3-D shapes
- Very low total VOC values
- High initial tack and peel adhesion
- Excellent bonding strength to a wide variety of interior substrates
- Secure mounting even to nonpolar plastics (PP) and composites (recycled materials)
- Good die-cutting properties

Main Application

tesa® 52105 is suitable for various types of lamination applications.

Example applications are:

- Lamination of insulation materials
- Laminates for NVH (noise, vibration, and harshness) and BSR (buzz, squeak, and rattle) prevention
- Bonding of decorative fabrics
- Lamination of foam for HVAC (heating, ventilation, and air conditioning) seals
- Mounting of flooring systems

To ensure the highest performance possible, our aim is to fully understand your application (including the substrates involved) in order to provide the right product recommendation.

Technical Data

▪ Backing material	none	▪ Type of liner	glassine
▪ Color	transparent	▪ Colour of liner	yellow
▪ Thickness of tape	50 µm	▪ Temperature resistance from	-40 °C
▪ Type of adhesive	water-based acrylic	▪ Temperature resistance up to	170 °C

For latest information on this product please visit <http://l.tesa.com/?ip=52105>

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. 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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Adhesion to

▪ Steel (initial)	9.2 N/cm	▪ PET (initial)	8.0 N/cm
▪ ABS (initial)	8.5 N/cm	▪ PP (initial)	1.5 N/cm
▪ PC (initial)	8.5 N/cm	▪ Steel (after 3 days)	9.5 N/cm

Properties

▪ Suitable for die cutting	yes	▪ Low VOC	●●●●
▪ Suitable for rough surfaces	●●●	▪ Fogging	●●●●
▪ Tack	●●●●		
▪ Conformability	●●●●		

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

Additional Information

According to VDA278 analysis, our 52105-tapes do not contain any single substances restricted by the drafted GB regulations (China) as well as the indoor concentration guideline by Health, Labour and Welfare Ministry (Japan).
Ultra low total VOC concentration according to VDA 278 analysis

Adhesion values to:

ABS

PC

PET

PP

are not part of the product specification

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