



tesa[®] 52105

Ultra Low VOC



Product Information

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

Product Description

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.

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

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

Product 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
- Due to its low VOC property it is particularly designed to meet automotive interior requirements.

Application Fields

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

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



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Application Fields

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 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	none	• Colour of liner	yellow
• Type of adhesive	water-based acrylic	• Thickness of liner	80 µm
• Type of liner	glassine	• Thickness of tape	50 µm
• Colour	transparent		

Properties/Performance Values

• Ageing resistance (UV)	very good	• Temperature resistance max.	170 °C
• Fogging	very good	• Temperature resistance short term duration	150 °C
• Humidity resistance	good		

Adhesion to Values

• PP (initial)	3 N/cm	• Steel (initial)	7.2 N/cm
• PP (after 14 days)	4.4 N/cm	• Steel (after 14 days)	9.2 N/cm

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

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Additional Information

PC

PET

PP

are not part of the product specification

Disclaimer

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