



tesa® 64905

Product Information



0.5 mm double-sided PE foam tape for primerless mounting of automotive exterior and interior parts

Product Description

tesa® 64905 is a double-sided adhesive tape consisting of a conformable black PE foam backing and a LSE adhesive. With a thickness of 0.5 mm, it is suitable for mounting small parts, like emblems.

The LSE adhesive features a high initial adhesion to LSE clear coats and LSE plastics such as PP and PP/EPDM, and MSE plastics like ABS and PC without utilizing primer. It reaches a high level of peel adhesion level right after application. Additionally, it even provides near to peak performance at an application temperature as low as 5°C. The impressive cold shock performance results from the damping properties of the PE foam backing even at temperatures below -40°C.

Due to its high conformability, the tape ensures a good wet out and secure bonding including on uneven surfaces and compensates for design tolerances. The PE foam backing also provides non-sticky edges resulting in excellent converting properties, e.g. for die cutting. Additionally, the tape combines high cohesive strength with a comparatively low density contributing positively to a low weight design.

Main features:

- High initial adhesion to LSE and MSE surfaces without primer
- Near to peak peel adhesion level right after application
- Good performance at an application temperature as low as 5°C
- Conformable foam backing to compensate design tolerances or uneven surfaces
- Reliable performance at higher temperatures
- Excellent converting properties

LSE: low surface energy

MSE: medium surface energy

Product Features

- High initial adhesion to LSE and MSE surfaces without primer
- Near to ultimate peel adhesion level right after application
- Good performance at an application temperature as low as 5°C
- Conformable foam backing to compensate design tolerances or uneven surfaces
- Reliable performance at higher temperatures
- Excellent converting properties

Application Fields

tesa® 64905 is suitable for mounting a wide range of small exterior and interior trims and parts.

Example applications are:

- Small decorative exterior and interior trims
- Emblems
- Lettering such as single letters for classification of car models or engine data

For latest information on this product please visit <http://l.tesa.com/?ip=64905>



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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	PE foam	• Color	black
• Type of adhesive	LSE	• Color of liner	brown
• Type of liner	glassine	• Thickness of liner	69 µm
• Total thickness	5000 µm 196.9 mils		2.7 mils

Properties/Performance Values

• Elongation at break	270 %	• Tensile strength	8 N/cm 4.6 lbs/in
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Adhesion to Values

• PP (initial)	15 N/cm 137 oz/in	• Steel (initial)	22 N/cm 201 oz/in
• PP (after 14 days)	22 N/cm 201 oz/in	• Steel (after 14 days)	22 N/cm 201 oz/in

Additional Information

Liner variants:

PV0 brown glassine (69 µm)

Peel Adhesion:

- after 14 days: foam splitting on Steel and PP



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Disclaimer

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