

product information

0.5 mm double-sided PE foam tape for mounting automotive exterior trims and emblems

tesa® 62852 is a double-sided adhesive tape consisting of a conformable black PE foam backing and a pure acrylic adhesive. With a thickness of 0.5 mm, it is suitable for mounting small trims and nameplates, especially those with filigree designs.

The black color allows for an almost invisible bond line. Due to the high conformability, the tape ensures a good wet out and secure bonding even on uneven surfaces and compensates for design tolerances.

The pure acrylic adhesive features a very good initial and high ultimate adhesion performance on MSE plastics like ABS, chromed ABS, PC, and PMMA, as well as on MSE clear coats combined with an excellent temperature resistance. The impressive cold shock performance results from the damping properties of the PE foam backing even at temperatures below -40°C/-40°F. 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.

Also available in 0.8 mm, 0.9 mm, and 1.2 mm formats.

Main features:

- High ultimate adhesive strength
- Excellent temperature resistance
- Excellent converting properties, especially for filigree designs
- Conformable foam backing to compensate for design tolerances or uneven surfaces

Main Application

tesa® 62852 is suitable for mounting a wide range of small exterior trims and parts.

Example applications are:

- Emblems
- Nameplates
- Lettering like single letters for classification of car models or engine data
- Locator pin on windscreens

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.

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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.

Technical Data

• Backing material	PE foam	• Tensile strength	8 N/cm
• Color	black	• Type of liner	glassine
• Total thickness	510 µm	• Colour of liner	brown
• Type of adhesive	pure acrylic	• Thickness of liner	71 µm
• Elongation at break	400 %	• Weight of liner	80 g/m ²

Adhesion to

• Steel (initial)	9.5 N/cm 86.8 oz/in	• Steel (after 14 days)	20.0 N/cm 182.7 oz/in
• ABS (initial)	6.0 N/cm 54.8 oz/in	• ABS (after 14 days)	13.0 N/cm 118.8 oz/in
• PE (initial)	1.5 N/cm 13.7 oz/in	• PE (after 14 days)	1.5 N/cm 13.7 oz/in

Properties

• Temperature resistance short term	100 °C	• Static shear resistance at 40°C	●●●●
• Temperature resistance long term	90 °C	• Static shear resistance at 70°C	●●●●
• Static shear resistance at 23°C	●●●●		

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

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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