tesa® 64912
PV0

Product Information

1.2mm double sided PE foam tape for primerless mounting of automotive exterior and interior parts

Product Description

tesa® 64912 is a double-sided adhesive tape consisting of a conformable black PE foam backing and a LSE adhesive. With a thickness of 1.2 mm, it is suitable for mounting sensor brackets onto bumpers, e.g. for PDC, as well as small decorative exterior and interior trims.

The LSE adhesive features a high initial adhesion to LSE clear coats and LSE plastics like PP and PP/EPDM, and MSE plastics like ABS and PC without using primer. It reaches ultimate peel adhesion level right after application. Additionally, it even provides near to ultimate 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 also 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 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

For latest information on this product please visit http://l.tesa.com/?ip=64912

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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® 64912 is suitable for mounting a wide range of small exterior and interior trims and parts. 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.

Example applications are:

* Sensor brackets onto bumper, e.g. for PDC

* Small decorative exterior and interior trims

* Emblems

* Lettering like single letters for classification of car models or engine data

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	specialty	• Color of liner	brown
• Type of liner	glassine	• Thickness of liner	69 µm
• Total thickness	12000 µm		

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Properties/Performance Values

•	Elongation at break	400 %	• Tensile strength	13 N/cm

Adhesion to Values

•	PP (initial)	20 N/cm	• Steel (initial)	20 N/cm
•	PP (after 14 days)	20 N/cm	• Steel (after 14 days)	20 N/cm

Additional Information

Backing material is PE/EVA foam.

Liner variants:

PV0 brown glassine (69µm)

Peel Adhesion:

- initial and after 14 days: foam splitting on Steel and PP

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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