



tesa® 50118 PV1 Ultra Low VOC



Product Information

540 µm water-based acrylic adhesive with PET fleece backing for mounting application in automotive interiors

Product Description

tesa® 50118 PV1 is a 540 µm PET fleece tape with a water-based acrylic adhesive. This tape has been designed for a wide range of automotive interior applications like cable mounting and BSR prevention (buzz, squeak, and rattle prevention).

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

This tape is characterized by a high adhesion strength on critical surfaces like nonpolar and rough substrates.

tesa® 50118 PV1 is available in black and white and as a die-cut solution and is suitable for automatic dispensers.

Product Features

- Excellent damping properties
- Low VOC (according to GB 27630) – no critical substances detectable
- High peel resistance on irregular, rough, and nonpolar surfaces
- High shear strength
- Tear resistant
- Suitable for automatic tape dispensers

Application Fields

tesa® 50118 PV1 is suitable for mounting cables and wire harnesses on different components inside a car. It ensures quick and secure fixation of flat and round cables with excellent damping properties (BSR prevention).

Example applications are:

- Mounting cables to headliners
- BSR prevention in inner doors, dashboards, display frames, seat belt buckles, and other things

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

- | | | | |
|------------------|-------------|----------------------|---------------------|
| • Type of liner | glassine | • Thickness of liner | 75 µm |
| • Color | black/white | • Thickness of tape | 540 µm |
| • Color of liner | yellow | • Weight of liner | 90 g/m ² |



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Product Information

Properties/Performance Values

• Elongation at break	70 %	• Static shear resistance	very good
• Tensile strength	31 N/cm	• Suitable for rough surfaces	very good
• Hand tearability	low	• Tack	very good
• Low VOC	very good	• Temperature resistance short term	160 °C
• Noise damping (LV312)	Class C		

Adhesion to Values

• PET (initial)	8.5 N/cm	• PET fleece Headliner A (initial)	3.9 N/cm
• PET (after 3 days)	9.1 N/cm	• PET fleece surface (after 3 days)	5.2 N/cm
• PET fleece Headliner A (after 3 days)	5.9 N/cm	• PET fleece surface (initial)	5.2 N/cm

Additional Information

- Kiss-cut solutions or die-cuts are available under tesa® 54118PV1 (white and black)
- tesa's automation and application department provides customized equipment and self-designed application tools to enhance productivity

Adhesion values to:

PET

PET fleece surface

PET fleece Headliner A

Are not part of the product specification

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.



For latest information on this product please visit <http://l.tesa.com/?ip=50118>