

tesa® 50118 PV2 Low VOC



Product Information

540 µm modified acrylic adhesive with PET fleece backing for mounting application in automotive interiors

tesa® 50118 PV2 is a 540 µm PET fleece tape with a modified acrylic adhesive. This tape has been designed for a wide range of automotive interior applications like immediate secure mounting of cables 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 PV2 is available in black and white and as a die-cut solution and is suitable for automatic dispensers.

Main features

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

Main Application

tesa® 50118 PV2 is suitable for mounting thick 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 thick and heavy 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.

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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	PET fleece	• Tensile strength	31 N/cm
• Color	black/white	• Type of liner	glassine
• Thickness of tape	540 µm	• Colour of liner	white
• Type of adhesive	modified acrylic	• Thickness of liner	70 µm
• Elongation at break	70 %	• Weight of liner	80 g/m ²

Properties

• Suitable for rough surfaces	●●●●	• Static shear resistance	●●●●
• Temperature resistance short term	160 °C	• Conformability	●●●●
• Tack	●●●●	• Low VOC	●●●●
• Static peel resistance	●●●●	• Noise damping (LV312)	C

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

Additional Information

- Kiss-cut solutions and die-cuts are available on demand under the product number 54118 PV2.

* According to VDA278 analysis, our CM-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).

tesa's automation and application department provides customized equipment and self-designed application tools to enhance productivity.

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Disclaimer

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