tesa® 50118 PV2 Low VOC

Product Information

540 µm/21.26 mils modified acrylic adhesive with PET fleece backing for mounting application in automotive interiors

Product Description

tesa® 50118 PV2 is a 540 µm/21.26 mils 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

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

Application Fields

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.

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

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Product Information

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	PET fleece
Type of adhesive	modified acrylic
Type of liner	glassine
Color	black/white
Color of liner	white
Thickness of liner	70 µm 2.8 mils
Thickness of tape	540 µm 21.3 mils
Weight of liner	80 g/m²

Properties/Performance Values

Elongation at break	70 %
Tensile strength	31 N/cm 17.7 lbs/in
Low VOC	very good
Noise damping (LV312)	Class C
Static shear resistance	very good
Suitable for rough surfaces	very good
Tack	very good
Temperature resistance short term	160 °C 320 °F

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.

Disclaimer

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