

tesa® 50118 PV0 Ultra Low VOC

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

tesa® 50118 PV0 is a 570 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 PV0 is available 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
- High peel resistance on irregular, rough, and nonpolar surfaces
- High shear strength
- Tear resistant
- Suitable for automatic tape dispensers

Main Application

tesa® 50118 PV0 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 Data

▪ Backing material	PET fleece	▪ Tensile strength	35 N/cm
▪ Color	white	▪ Type of liner	glassine
▪ Thickness of tape	570 µm	▪ Colour of liner	yellow
▪ Type of adhesive	acrylic	▪ Thickness of liner	70 µm
▪ Elongation at break	43 %	▪ Weight of liner	90 g/m ²

Adhesion to

▪ PET (initial)	10.1 N/cm	▪ PET (after 3 days)	11.3 N/cm
▪ PET fleece Headliner A (initial)	3.1 N/cm	▪ PET fleece Headliner A (after 3 days)	3.4 N/cm
▪ PET fleece surface (initial)	1.9 N/cm	▪ PET fleece surface (after 3 days)	2.5 N/cm

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

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Properties

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

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

Additional Information

- Kiss-cut solutions or die-cuts are available under tesa® 54118

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

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