

Avery Dennison Performance Tapes

Automotive Tapes for Acoustically Insulated Tires

Adhesive technology designed for bonding noise absorption materials to the inside of tires

Driven by elevated traffic density, drive-by-noise is increasingly being recognized as an environmental issue. Legislation to manage and reduce this impact has led to measures in many regions to reduce the noise emitted by tires. In addition, with the emergence of electric vehicles and less engine noise, the need to reduce interior vehicle noise has increased.

A solution for both these issues has been the addition of sound absorption materials to reduce the noise created within the tire cavity. Avery Dennison offers pressure-sensitive adhesive solutions to help bond noise-absorbing foam and other materials to the inside surface of vehicle tires.



Features

- A range of pure-acrylic and modified-acrylic adhesives optimized for polyurethane foam to tire bonding
- High adhesive coat weights that ensure excellent anchorage to porous, open cell foam structure
- Transfer tape construction enables resistance to flexing, compression and impact

Why choose the Avery Dennison Automotive Tapes portfolio

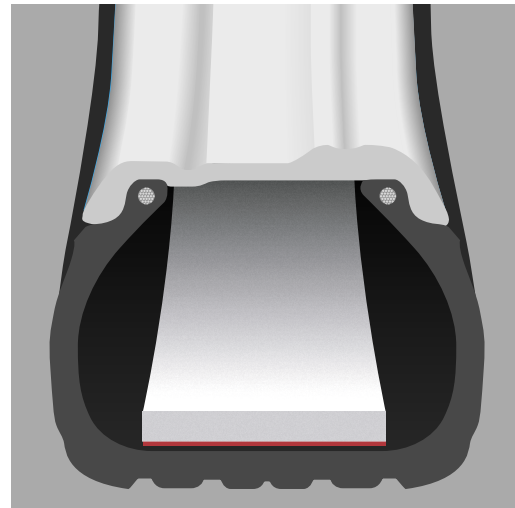
Avery Dennison offers a variety of adhesive tape products to help vehicle engineers reduce the levels of noise, vibration and harshness in their designs. Our automotive acoustic offerings include:

- Bonding solutions for acoustical absorption materials
- Buzz, squeak and rattle (BSR)
- Vibration damping materials
- Custom solutions for specific needs

Our long history of high-performance pressure-sensitive adhesives for automotive solutions makes Avery Dennison the chosen supplier for many manufacturers in need of bonding and vibration damping solutions for cars.

Benefits

- Instant bond to tire bladder that does not require heat or cure time for quick manufacturing process
- Bond strength greater than internal strength of polyurethane foam
- Durability against time, high and low temperatures, and impacts to last the life of the tire



Acoustically Insulated Tires Portfolio

Adhesive Type	Product	Key Benefit	Construction	Liner Options	THICKNESS (MILS)					
					Unwind Side	Carrier	Liner Side	Liner	Total Thickness (without Liner)	Total Thickness
● Pure Acrylic	FBA 1115	Strong anchorage to PU foams	Transfer Tape	80# White Kraft	-	-	4.7	4.4	4.7	9.1
● Low VOC Acrylic	FBA 1118 GL	Low cost option	Transfer Tape	Havana Glassine	-	-	2.5	3.0	2.5	5.5
● General Purpose Acrylic	FT 1123	Tacky, well-rounded performance	Transfer Tape	80# White Kraft	-	-	3.3	4.4	3.3	7.7
	FT 1126	Higher coat weight version of FT 1123	Transfer Tape	80# White Kraft	-	-	5.2	4.4	5.2	9.6
	FT 1126 12 PT BD	Thick, stable liner for easy removal	Transfer Tape	Natural 12 Pt. Board	-	-	5.5	12.5	5.5	18.0
● LSE Modified Acrylic	FT 1943 PP	Tear-resistant liner	Transfer Tape	4.0 mil White Polypropylene	-	-	4.0	4.0	4.0	8.0
	FT 3043	Double liner for easy release	Double Liner / Transfer Tape	2.0 mil Clear PET / 60# White Kraft	-	-	4.0	2.0 / 3.6	4.0	6.0 / 7.6

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