



Inspired Brands.
Intelligent World.™



Automotive Product Line Selector

High Performance Bonding Solutions for Automotive Applications

Avery Dennison Performance Tapes pressure-sensitive adhesives and tapes are designed for high-end bonding and mounting applications in the automotive industry. Our standard and engineered solutions are used for a wide variety of applications in automotive exteriors, interiors, powertrains and chassis.

Global reach, helping you to succeed

- Research and development
- Engineering
- Sales and customer service
- Manufacturing and supply
- ISO/IEC 17025 certified testing lab

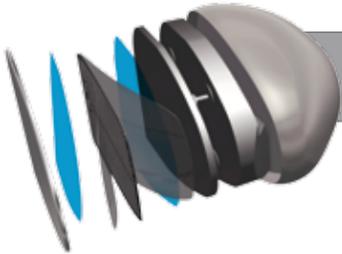


EXTERIOR APPLICATIONS

Automotive Exterior, Interior, Powertrain and Chassis Solutions

Solutions for a wide variety of applications including:

- Seat heating
- Heat shielding
- Gasketing
- Mirror mounting
- Flooring
- Foam and fiber bonding
- Weather seals
- Badge and emblem protection
- Cable wrapping and wire harness
- Brake shims
- Warning labels
- Buzz, squeak and rattle
- Adhesives for overlaminates
- Carpet and headliner fixation



Mirrors

Specially formulated acrylic adhesives in double coated foam and film constructions designed to perform through elevated heat, humidity and salt spray.

Adhesive Type	Products	Total Thickness (without liner)		Construction
		mils	µm	
Acrylic	FT 126	2.3	60	Transfer Tape
Modified Acrylic	FT 7378	2.9	75	Double Coated PET
Modified Acrylic	FT 7425	9.8	250	Double Coated White Polypropylene
Modified Acrylic	FM 2405L	19.7	500	Double Coated 1/64" Black PE Foam
Modified Acrylic	FM 2454	34.5	875	Double Coated 1/32" Black PE Foam

Application Examples: Mirror glass mounting, heating element attachment



Automotive Certification Finder
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INTERIOR APPLICATIONS



Foam Bonding, Gaskets and Seals

A complete portfolio of tapes engineered to meet OEM requirements and specifications for foam bonding. Solutions designed for bonding PU, PVC, PE, EPDM and impregnated foams to polycarbonate, ABS, painted metal, and various talc filled polypropylene materials.

Adhesive Type	Products	Polyether Urethane	Polyester Urethane	Skinned Foams* (excluding PVC)	Low Perm Foams	Cloth / Fabrics
General Purpose Rubber	FBR 8950**		•	•		•
General Purpose Acrylic	FBA 1960**			•		•
	FBA 8960**			•		•
	FT 1123		•	•		•
	FT 1126**		•	•		•
Differential Rubber	FT 8327**		•	•	•	•
Differential Rubber / Acrylic	FT 8392**	•	•		•	•
High Performance Low VOC Acrylic	FT 1149X**	•	•	•		•
	FT 8270	•	•	•		•
Low VOC Acrylic	FT 2018X			•		•
	FT 7770X	•	•	•		•
	FT 7951X	•	•	•		•
	FT 7329X	•	•	•		•

Application Examples:
Door seals, water shedders, front and rear light EPDM seals, windshield seals, doorsteps and kick strips

* PE, EPDM, Neoprene, PORON®, Santoprene™ and similar foams. ** Multiple liner options available.



Buzz, Squeak and Rattle

Transfer tapes, single coated flock and single coated felt tapes designed for anti-squeak applications.

Adhesive Type	Products	Total Thickness (without liner)		Construction
		mils	µm	
Low VOC Acrylic	FT 2018X	3.1	80	Transfer Tape
High Performance Low VOC Acrylic	FT 1149X**	4.5	115	Transfer Tape
High Performance Low VOC Acrylic	FT 0900X**	35.5	900	Single Coated Black Flock
High Performance Low VOC Acrylic	FT 0910	46.5	1180	Single Coated Black Felt
Rubber	FT 0920	45.0	1145	Single Coated Black Felt

Application Examples:
Weather stripping, anti-abrasion, anti-squeak



Seat Heating Attachment

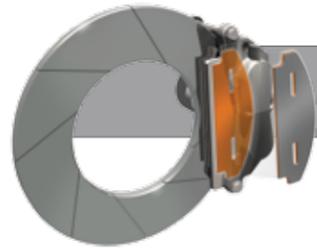
Specially engineered tapes for assembling various layers of seat heating components; bonding to seat heating element felts, polyester or other substrates and to cold foam.

Adhesive Type	Products	Total Thickness (without liner)		Construction
		mils	µm	
Rubber	FT 666	7.4	190	Scrim Reinforced Transfer Tape
Low VOC Acrylic	FT 7951X	2.3	60	Scrim Reinforced Transfer Tape
Low VOC Acrylic	FT 2018X	3.1	80	Transfer Tape
Low VOC Acrylic	FT 2150	2.3	60	Transfer Tape
Acrylic	FT 1143	3.1	80	Transfer Tape
General Purpose Acrylic	FT 1126**	4.9	125	Transfer Tape

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POWERTRAIN AND CHASSIS APPLICATIONS

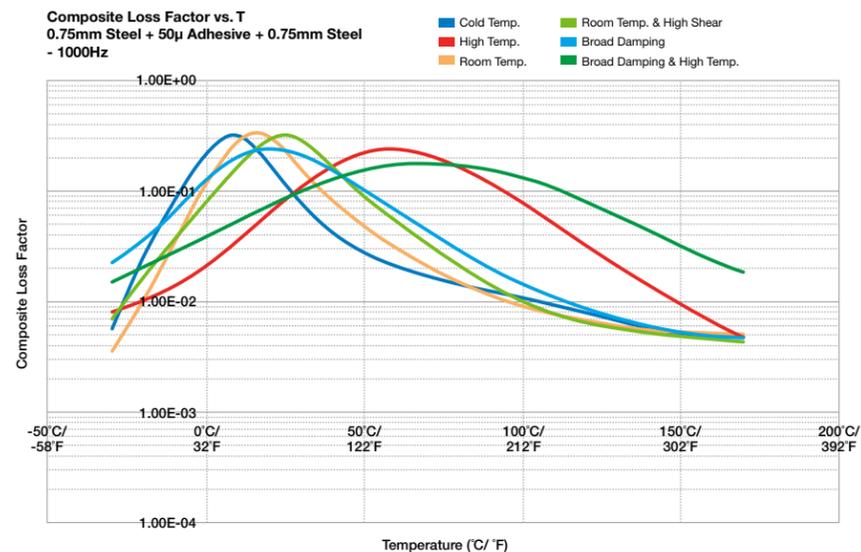


Brake Shims

Specially formulated and tuned silicone and acrylic adhesives used to adhere brake shims to the brake system. Adhesive and tape selection will be dependent upon desired damping performance given a time and temperature range.

Adhesive Type	Products	Total Thickness (without liner)		Construction	Damping Performance	Optimum Damping Temperature Range
		mils	µm			
Acrylic	FT 2085	4.3	110	Double Lined Transfer Tape	Cold Temperature	-10 to 25°C (14 to 77°F)
Acrylic	FT 2150	2.3	60	Transfer Tape	Cold Temperature	-10 to 25°C (11 to 77°F)
Acrylic	FT 3033	3.0	75	Double Lined Transfer Tape	Room Temperature	0 to 35°C (32 to 95°F)
Acrylic	UHA 1185	4.6	115	Transfer Tape	Room Temperature & High Shear	5 to 50°C (41 to 122°F)
Acrylic	FT 9216	5.1	130	Double Lined Transfer Tape	Broad Damping	-5 to 50°C (23 to 122°F)
Silicone	FT 3012	2.3	60	Double Lined Transfer Tape	Broad Damping & High Temperature	30 to 110°C (86 to 230°F)
Silicone	FT 3120	3.1	80	Double Lined Transfer Tape	Broad Damping & High Temperature	30 to 110°C (86 to 230°F)

Damping Performance



Heat Shielding

Complete portfolio of tapes for mounting foil or composite materials used for heat reflecting or shielding throughout the vehicle.

Adhesive Type	Products	Total Thickness (without liner)		Construction
		mils	µm	
Low VOC Acrylic	FT 1149X**	4.5	115	Transfer Tape
General Purpose Acrylic	FT 1124**	4.2	105	Transfer Tape
General Purpose Acrylic	FT 1126**	4.9	125	Transfer Tape
General Purpose Acrylic	FT 3014	4.0	100	Double Lined Transfer Tape
Modified Acrylic	FT 3043	4.0	100	Double Lined Transfer Tape

Application Examples:

Mounting / attachment of heat shielding materials for fuel tanks, wheel arches, shielding turbo, shielding plastic components



High Temperature Bonding

Lamination adhesives used in the production of overlaminates labels and nameplates that withstand the elevated temperatures within the engine compartment.

Adhesive Type	Products	Total Thickness (without liner)		Construction	Max Service Temperature
		mils	µm		
High Performance Acrylic	HPA 1901 PET	1.1	30	Transfer Tape	205°C (400°F)
High Performance Acrylic	HPA 1902**	2.5	65	Transfer Tape	205°C (400°F)
High Performance Acrylic	HPA 1905**	5.0	125	Transfer Tape	205°C (400°F)
Modified Acrylic	FT 3043	4.0	100	Double Lined Transfer Tape	175°C (350°F)
Silicone	FT 3012	2.3	60	Double Lined Transfer Tape	260°C (500°F)

** Multiple liner options available.

ADHESIVES					
Acrylic	Modified Acrylic	High Performance Acrylic	Rubber	Synthetic Elastomer	Silicone
<ul style="list-style-type: none"> - General purpose, clear, plasticizer resistant acrylic adhesive - Excellent processing and die cutting stability - Resistance to elevated temperatures and solvents - Strong bond to medium and high surface energy substrates, including irregular surfaces 	<ul style="list-style-type: none"> - Versatile, general purpose modified acrylic adhesive offering balanced performance for most applications - Bonds well to a wide variety of materials, including Low Surface Energy (LSE) substrates - Resistance to elevated temperatures, solvents and plasticizers 	<ul style="list-style-type: none"> - High molecular weight acrylic adhesive offering very high shear and temperature resistance - Offers low oozing characteristics and allows for complex die cuts - Resistant to humidity, harsh chemicals and UV light - Single adhesive solution designed for the most challenging environments 	<ul style="list-style-type: none"> - Excellent bond to a wide variety of materials, including Low Surface Energy (LSE) substrates - Bonds well to a wide range of foam materials - High tack for quick initial bond 	<ul style="list-style-type: none"> - High affinity for Low Surface Energy (LSE) substrates, with high immediate adhesion - Provides excellent damping performance and resistance to UV light exposure - Excellent die cutting characteristics - Excellent high temperature and chemical resistance - Heavy adhesive mass for bonding to irregular or rough surfaces 	<ul style="list-style-type: none"> - Designed for high temperature, Low Surface Energy (LSE) bonding applications - For automotive applications that demand resistance to solvents and extreme heat (including underhood) - Very good damping characteristics at high temperatures - Excellent die cutting and slitting properties

CARRIERS			LINERS				
PET / PP Film	Tissue / Nonwoven	PE Foam	PET Film	Poly Coated Kraft	Paper / Glassine	12 Point Board	Custom
<ul style="list-style-type: none"> - Available in white, black or clear - Calipers: 0.1mil - 4.8mil (2.4µm - 120µm) - Excellent dimensional stability - Excellent converting characteristics 	<ul style="list-style-type: none"> - Good die cutting characteristics - Offers dimensional stability - Highly conformable 	<ul style="list-style-type: none"> - Available in black or white - Calipers: 3.9mil (100µm) and up - Shock absorption - Compressible - Sealing and gap filling properties 	<ul style="list-style-type: none"> - Available in white, black or clear - Calipers: 1mil - 3mil (25µm - 75µm) - Good convertibility, excellent dimensional stability - Custom printing 	<ul style="list-style-type: none"> - Available in bleached (white) or natural (brown) - Calipers: 4.3mil - 6.9mil (110µm - 175µm) - Dimensionally stable in high humidity - Custom printing 	<ul style="list-style-type: none"> - Available in bleached (white) or natural (brown) - Calipers: 3mil - 6mil (75µm - 150µm) - Cost-effective solution - Custom printing 	<ul style="list-style-type: none"> - Available in natural (brown) - 12.5mil (320µm) thickness - Stiff liner allows for easy handling of high frequency parts 	<ul style="list-style-type: none"> - Custom liners available - Various papers and films available with different coatings and finishes - A wide range of weights and release forces

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For more information on our bonding tapes and adhesive solutions, visit Tapes.AveryDennison.com