

# Appliance Bonding Solutions

**Pressure-sensitive adhesive tapes offer ease of use and assembly, durability, and NVH damping qualities for commercial and residential appliances**

There's a significant growth opportunity for tape converters interested in or currently working with appliance manufacturers. Analysts forecast the appliance industry to continue to grow in the coming years. And the space is being impacted by trends and challenges for which pressure-sensitive adhesive tapes are a sound solution.

The Avery Dennison portfolio of appliance bonding solutions includes a range of proprietary adhesives and other materials that are engineered to help address these trends. They're also easy to convert and backed by strong technical support and tools.



## Why choose pressure-sensitive adhesive tapes for appliance manufacturing?

Pressure-sensitive adhesive tapes are a proven technology. They're used in a wide and growing range of industries with exacting standards, including Automotive, Aerospace, Building and Construction, Personal Care, and Transportation.

They're also used in the Appliance industry and have a long list of potential applications in items including: refrigerators, freezers, stoves, microwaves, dishwashers, washers, dryers, portable heaters, air conditioners and more.

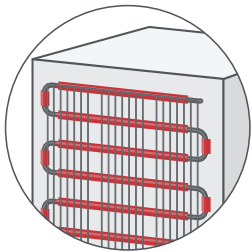
### Exterior

- Mounting small parts, brand emblems, decorative items, plastic trim
- Bonding display and control panel screens, and other components

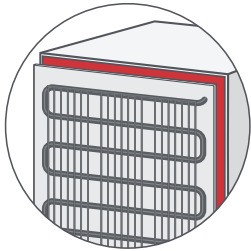
### Interior

- Bonding gaskets and other interior components
- Mounting components such as evaporators and coils
- Adhering felt and foam materials used for noise and vibration reduction
- Adhering materials used for heat dissipation

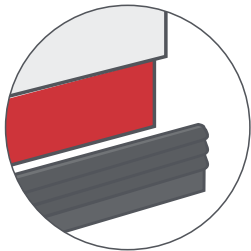
# Refrigerator & freezer applications



Adhering Coils



Evaporator Mounting



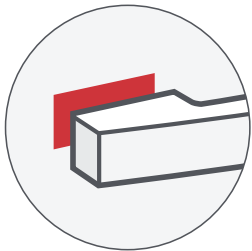
Decorative & Plastic Trims



Emblem Mounting

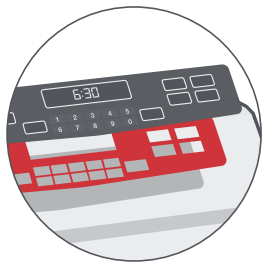


Mounting of Displays & Control Panels

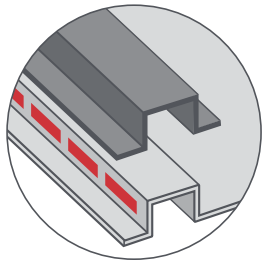


Fixing of Small Parts

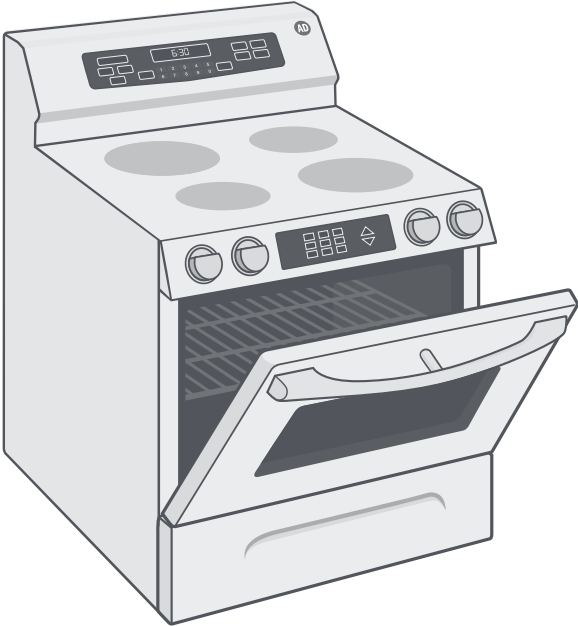
# Oven & cooktop applications



Mounting of Displays & Control Panels



Interior Mounting

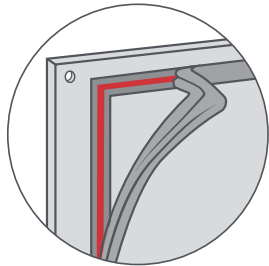


Emblem Mounting

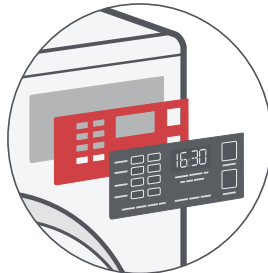


Mounting Small Parts

# Dishwasher & washer/dryer applications



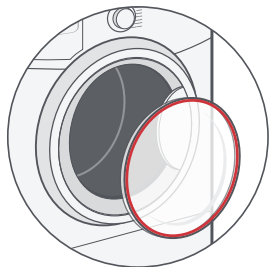
Noise Vibration and Harshness (NVH)



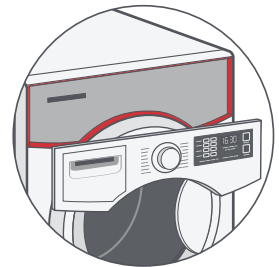
Display Mounting



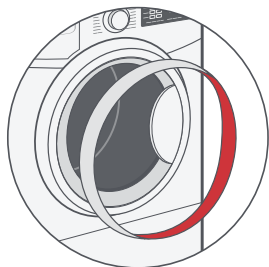
Heat Dissipation



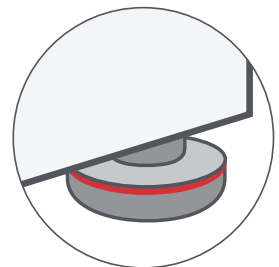
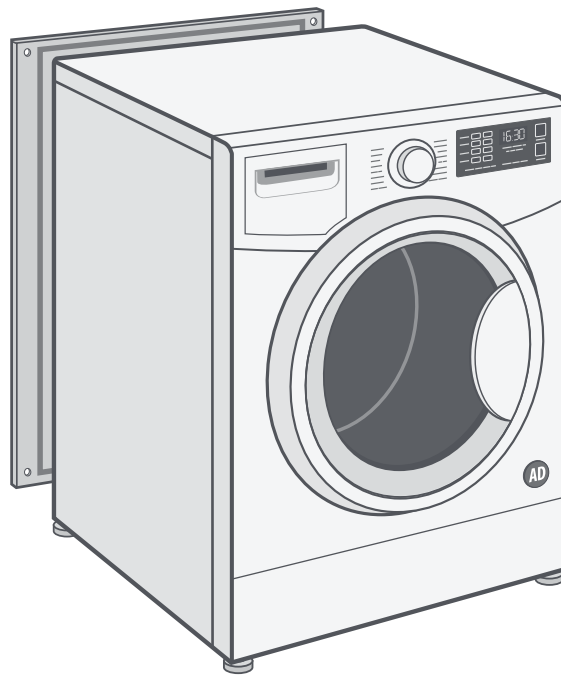
Glass Doors



Control Panel Mounting



Decorative Trims



Fixing of Small Parts



Emblem Mounting

## Avery Dennison portfolio advantages for appliances

The Avery Dennison portfolio of pressure-sensitive adhesive tapes helps appliance manufacturers address the trends, opportunities, and challenges facing their evolving industry.



### Ease of use and assembly

- Excellent quick stick, shear, and foam bonding qualities
- Can replace screws, nuts and bolts: reducing weight while making assembly easier
- Available easy-release liners can further facilitate assembly, including constructions with a finger-lift edge
- Constructions are available for lamination to felt, flock, foam, high loft PET and many batting materials
- Ideal for nameplate bonding



### Durability

- Provide temperature, moisture, and chemical robustness
- Adhesives can be engineered for multi-substrate bonding, including high and low surface energy (HSE/LSE) substrates



### Noise/vibration/harshness (NVH) damping

- Can be constructed with materials designed to absorb sound and vibration waves
- Solution used in multiple industries, including automotive, aerospace, and transportation

## Beyond bonding: Expansive product selection, customization and testing capabilities

Our solutions for appliance manufacturing draw from our expansive portfolio of pressure-sensitive adhesive tapes. We have a long track record working with many industries and are relied upon by manufacturers across the globe.

We welcome the opportunity to collaborate and develop custom tape solutions. You'll enjoy access to testing facilities and subject matter experts who understand your opportunities and challenges. We can work together to produce one-of-a-kind products that help give your business an edge over the competition.

### Collaboration

- Global reach
- New product development for developing custom solutions for specific applications
- Business development and specification support for emerging applications
- Application engineering and technical support

### Testing

- ISO 9000 certified and ISO 17025 accredited laboratory
- Industry-standard and custom application testing
- Mechanical and analytical pressure-sensitive adhesive testing capabilities
- Pressure-sensitive adhesive bulk property testing (peel, tack and shear)
- Environmental conditioning (temperature, humidity, UV, chemical and more)

## Appliances product portfolio

	Application	Product	Adhesive type	Construction	Thickness w/o liner (mils)	Thickness w/o liner (µm)	
Refrigerator/ freezer	Exterior mounting of emblems/small parts	AFB 6111G	Acrylic Foam Bond	Double Coated Acrylic Foam	43.3	1100	
		FM 2316*	General Purpose Acrylic	Double Coated PE Foam	67.6	1717	
		FBA 8960*	General Purpose Acrylic	Double Coated PET	4.0	102	
	Bonding displays/control panels	HPA™ 1905*	High Performance Acrylic	Transfer Tape	4.9	124	
		FM 2316*	General Purpose Acrylic	Double Coated PE Foam	67.6	1717	
	Adhering coils	FL 0833*	Cold Tough™ Acrylic	Single Coated Foil	4.8	122	
		FL 1002*	General Purpose Rubber	Single Coated Foil	3.7	94	
	Mounting evaporator	FT 8217*	General Purpose Acrylic	Double Coated Nonwoven	6.3	160	
		AFB 6111G	Acrylic Foam Bond	Double Coated Acrylic Foam	43.3	1100	
	Decorative/plastic trim	FT 3043*	LSE Modified Acrylic	Double Lined Transfer Tape	4.0	102	
		FM 2116*	High Shear General Purpose Rubber	Double Coated PE Foam	68.0	1727	
		AFB 6111G	Acrylic Foam Bond	Double Coated Acrylic Foam	43.3	1100	
	Oven/ cooktop	Exterior mounting of emblems/small parts	AFB 6111G	Acrylic Foam Bond	Double Coated Acrylic Foam	43.3	1100
			FM 2316*	General Purpose Acrylic	Double Coated PE Foam	67.6	1717
FBA 8960*			General Purpose Acrylic	Double Coated PET	4.0	102	
Bonding displays/control panels		HPA™ 1905*	High Performance Acrylic	Transfer Tape	4.9	124	
		FM 2316*	General Purpose Acrylic	Double Coated PE Foam	67.6	1717	
Interior mounting		AFB 6111G	Acrylic Foam Bond	Double Coated Acrylic Foam	43.3	1100	
		Fasson® 0800	High Tack Acrylic	Single Coated Foil	4.4	112	
Heat dissipation		FL 1000	High Performance Acrylic	Single Coated Foil	4.3	109	
		FT 0815*	General Purpose Rubber	Single Coated Foil	6.2	157	

Products indicated with an \* are included in the Core Series™ Portfolio



Performance  
Tapes



## Appliances product portfolio (continued)

Application	Product	Adhesive type	Construction	Thickness w/o liner (mils)	Thickness w/o liner (µm)
Exterior mounting of emblems/small parts	AFB 6111G	Acrylic Foam Bond	Double Coated Acrylic Foam	43.3	1100
	FM 2316*	General Purpose Acrylic	Double Coated PE Foam	67.6	1717
Bonding displays/control panels	FBA 8960*	General Purpose Acrylic	Double Coated PET	4.0	102
	HPA™ 1905*	High Performance Acrylic	Transfer Tape	4.9	124
	FM 2316*	General Purpose Acrylic	Double Coated PE Foam	67.6	1717
Noise reduction	FM 2116*	High Shear General Purpose Rubber	Double Coated PE Foam	68.0	1727
	FM 2316*	General Purpose Acrylic	Double Coated PE Foam	67.6	1717
	FM 2132*	High Shear General Purpose Rubber	Double Coated PE Foam	36.0	914
	FM 2333*	General Purpose Acrylic	Double Coated PE Foam	35.6	904
Decorative trim	FT 3043*	LSE Modified Acrylic	Double Lined Transfer Tape	4.0	102
	FM 2116*	High Shear General Purpose Rubber	Double Coated PE Foam	68.0	1727
Heat dissipation	AFB 6111G	Acrylic Foam Bond	Double Coated Acrylic Foam	43.3	1100
	Fasson® 0800	High Tack Acrylic	Single Coated Foil	4.4	112
	FL 1000	High Performance Acrylic	Single Coated Foil	4.3	109
Mounting glass panels	FT 0815*	General Purpose Rubber	Single Coated Foil	6.2	157
	AFB 6140W	Acrylic Foam Bond	Double Coated Acrylic Foam	15.8	400
	AFB 6164W	Acrylic Foam Bond	Double Coated Acrylic Foam	25.2	640
	AFB 6180W	Acrylic Foam Bond	Double Coated Acrylic Foam	31.5	800

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Performance  
Tapes

## About Avery Dennison

Avery Dennison Corporation (NYSE: AVY) is a global materials science and digital identification solutions company that provides branding and information labeling solutions, including pressure-sensitive materials, radio-frequency identification (RFID) inlays and tags, and a variety of converted products and solutions. The company designs and manufactures a wide range of labeling and functional materials that enhance branded packaging, carry or display information that connects the physical and the digital, and improve customers' product performance. The company serves an array of industries worldwide, including home and personal care, apparel, e-commerce, logistics, food and grocery, pharmaceuticals and automotive. The company employs approximately 35,000 employees in more than 50 countries. Reported sales in 2023 were \$8.4 billion. Learn more at [www.averydennison.com](http://www.averydennison.com).

### About Avery Dennison Performance Tapes

Avery Dennison Performance Tapes is a world-class operation focused on developing and manufacturing high performance pressure-sensitive adhesives and tapes for a broad range of applications in automotive, appliances, electronics, building and construction, specialty industrial and personal care segments. The organization has 50 years of experience supplying standard and customized pressure-sensitive materials designed to deliver innovative solutions for customers' needs across the globe. Worldwide manufacturing facilities ensure a global presence supported by local sales, technical and customer service throughout the regions. Learn more at [www.tapes.averydennison.com](http://www.tapes.averydennison.com).

To learn more or to place an order, contact your sales representative, or visit: [tapes.averydennison.com](http://tapes.averydennison.com)

For more information on technical performance and printing recommendations, please refer to the respective datasheets. Please note that the Avery Dennison product range and service offering can be subject to changes. For an accurate overview, please check our website [tapes.averydennison.com](http://tapes.averydennison.com) or contact your local Avery Dennison sales representative.

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