

# Avery Dennison Reflective Products

Product Catalog



# Avery Dennison Reflective Products

## Product Catalog

Avery Dennison Reflective Products is a leading developer and manufacturer of innovative reflective products used throughout the world. This catalog provides brief descriptions of our full line of high performance, high durability and high value products available through our expanding network of world-wide offices. Individual product brochures, specifications, and technical information can be obtained from any of these offices or electronically on the Internet.

All product lines are supported by superior cube-corner, glass-bead, and microreplication technologies which are constantly improved through aggressive Six Sigma management techniques. All of our field and customer support services are dedicated to ensuring your satisfaction. Searching for a leader in reflective products? Then look to the capabilities of the Reflective Products of Avery Dennison.

### Traffic & Work Zone Films

Omni-View™ Premium Microprismatic Sheeting . . . . .	1
Prismatic and Fluorescent Prismatic Retroreflective Sheeting . . . . .	2
Glass-bead Sheeting . . . . .	3
Accessories: Transparent Overlay Films and Inks . . . . .	4
Construction Work Zone Films . . . . .	5

### Safety Products

Flexible Films for Safety Apparel & Other Specialty Films . . . . .	6
Vehicle Conspicuity Tapes . . . . .	7

### Fleet & Commercial Graphics

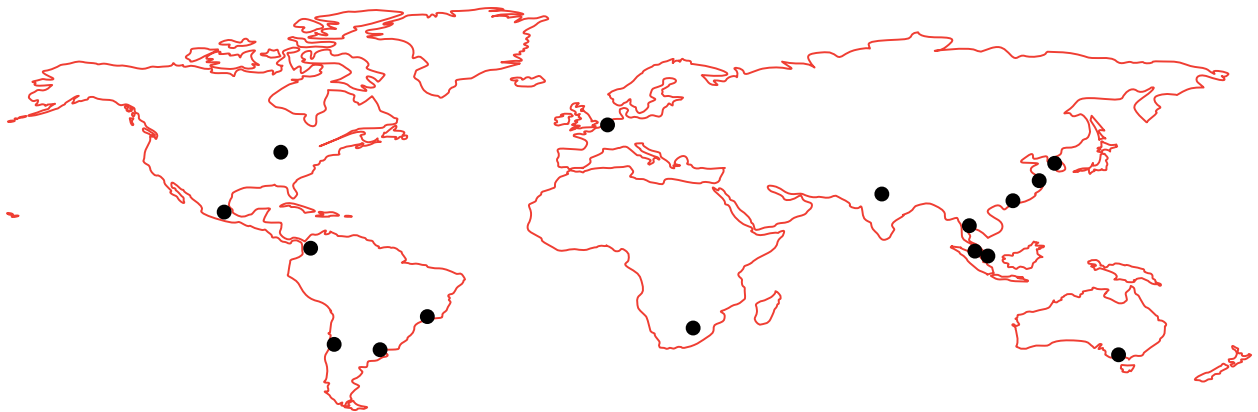
Night Visible Series . . . . .	8
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### License Plate & Security Films

License Plate, Window Sticker and Validation Films . . . . .	9
Secure Mark™ Non-reproducible Security Films . . . . .	9

### Doing Business with Avery Dennison

Customer Support Contact . . . . .	Back Cover
World-wide Locations . . . . .	Back Cover



# Omni-View™ Premium Microprismatic Sheeting



The robust performance characteristics of Avery Dennison Omni-View™ reflective sheeting make it the perfect choice for applications requiring high reflectivity at both long and short distances.

### Higher Brightness

Omni-View™ is the perfect choice for premium prismatic sheeting applications where enhanced short-distance brightness is desired while maintaining long-distance brightness.

Omni-View can be used in rural signage applications where long-distance brightness for conspicuity is needed for recognition, and short distance brightness is needed for legibility. Additionally, the overall reflective performance of Omni-View allows it to stand out against the competing brightness of urban background light while maintaining legibility.

### Durability

The sheeting structure combined with the exceptionally strong welding process used to bond the materials produces a tough sheeting with outstanding weathering properties with a 12-year durability.

### Application

Omni-View reflective sheeting has no orientation requirements! This benefit allows sign shops to maximize their material yield both for legend and sign blank nesting, saving money since separate inventories are not needed for specific-orientation materials. Government agencies may reduce liability as there is no risk of a sheeting orientation error creating a road sign not meeting the required specification!

for  
the **long**  
& **short** of it...  
and everything in between!

Product	ASTM D-4956	Colors							Fluorescent Colors		
		White	Yellow	Orange	Blue	Green	Red	Brown	FL Yellow	FL Yel-Green	FL Orange
Omni-View™	Type IX and Proposed Type XI	T-9500	T-9501	—	T-9505	T-9507	T-9508	T-9509	T-9511	T-9513	W-9514

Product Numbers

# Prismatic and Fluorescent Prismatic Retroreflective Sheetings



Avery Dennison prismatic reflective sheeting for highway signs provides a level of brightness 3 to 4 times greater than current federal minimum standards. How? Our pioneering cube-corner reflector design has 22,000 microprisms per square inch for greater reflectivity at typical highway observation angles. Available in two grades: T-7500 MVP (Maximum Visual Performance) provides the highest level of reflectivity for ASTM D-4956 Type VIII applications while series T-6500 is a high intensity grade for ASTM D-4956 Type III/IV applications.

## Prismatic

**T-7500 MVP (Maximum Visual Performance)** offers excellent daytime color and the highest levels of reflectivity. It is our top-line prismatic sheeting applicable for all high speed roadways and urban areas where higher ambient light levels can make signs less visible. T-7500 MVP is ideal for overhead guide signs and directional signs which receive less light from vehicle headlamps. Traffic signs manufactured with T-7500 MVP provide early detection and an extended range of sign legibility, offering drivers the maximum time to read and react. All T-7500 MVP sheeting is watermarked with the Avery Dennison logo and meets or exceeds the ASTM D-4956 Type VIII specification.

**T-6500 Prismatic High Intensity Grade** sheeting offers a viable alternative to glass-beaded high intensity sheetings where brighter daytime colors and slightly higher reflectivity levels are desired. T-6500 Prismatic High Intensity sheeting is a durable, highly reflective sheeting designed for traffic control and guide signs. T-6500 meets ASTM D-4956 Types III and IV specifications.

## Cutttable

Both **T-7500C MVP** and **T-6500C** sheetings are cuttable for fabricating sign legends.

## Fluorescent

**T-7511 MVP Fluorescent Yellow** is for traffic warning signs.

**T-7513 MVP Fluorescent Yellow-Green** is for crosswalk and school zone signs.

Fluorescent Construction Work Zone Films are listed on page 5.

Product	ASTM D-4956	Colors							Fluorescent Colors		
		White	Yellow	Orange	Blue	Green	Red	Brown	FL Yellow	FL Yel-Green	FL Orange
T-7500 MVP	Type VIII	T-7500	T-7501	—	T-7505	T-7507	T-7508	T-7509	T-7511	T-7513	W-7514
T-7500 MVP Cuttable	Type VIII	T-7500C	—	—	—	—	—	—	—	—	—
T-6500	Type III/IV	T-6500	T-6501	W-6504	T-6505	T-6507	T-6508	T-6509	—	—	—
T-6500 Cuttable	Type III/IV	T-6500C	—	—	—	—	—	—	—	—	—

Product Numbers

# Glass-bead Sheetings



Avery Dennison glass-bead reflective sheetings are suitable for many traffic sign applications. These sheetings deliver excellent value by balancing performance and life cycle costs.

## Glass-bead Sheetings

**T-5500A High Intensity Grade** sheeting is an encapsulated lens glass-bead sheeting which exceeds the reflectivity requirements of ASTM D-4956 Type III specification. T-5500 is appropriate for traffic control and many other signing applications.

**Series T-2000 Super Engineering Grade** reflective sheeting is an enclosed lens material which provides twice the brightness of Engineering Grade and 10-year durability. Meets or exceeds requirements of ASTM D-4956 Type II specifications. This cost-effective and user-friendly sheeting performs well in many applications.

**Series T-1000 Engineering Grade** reflective sheeting is an enclosed lens material which meets or exceeds requirements of ASTM D-4956 Type I specifications. This sheeting is the lowest cost reflective sheeting specified for use in traffic applications.

**Series M-0500 Utility-Commercial Grade** sheeting is excellent for use in parking lots and other applications requiring a low-cost alternative with minimal specification requirements.

Product	Adhesive	ASTM D-4956	Colors							
			White	Yellow	Orange	Blue	Green	Red	Brown	Gold
T-5500A	Permanent PSA*	Type III	T-5500	T-5501	W-5504	T-5505	T-5507	T-5508	T-5509	—
T-2500	Permanent PSA*	Type II	T-2500	T-2501	W-2504	T-2505	T-2507	T-2508	—	—
T-2200	Wood PSA*	Type II	T-2200	—	W-2204	—	—	—	—	—
T-1500	Permanent PSA*	Type I	T-1500	T-1501	W-1504	T-1505	T-1507	T-1508	T-1509	—
T-1200	Wood PSA*	Type I	T-1200	—	W-1204	—	—	—	—	—
M-0500	Permanent PSA*	NA	M-0500	M-0501	W-0504	M-0505	M-0507	M-0508	M-0509	M-0503

\*Pressure Sensitive Adhesive

Product Numbers

# Accessories: Transparent Overlay Films and Inks



Avery Dennison Overlay and Ink Systems are designed to match the Avery Dennison reflective sheeting type you are using.

## Overlay Films

**OL-2000 Acrylic Overlay** delivers excellent transparency and can be used on all Avery Dennison reflective sheeting grades. OL-2000 has 10-year durability. Available in Yellow, Red, Green, Blue, Brown and Black.

**OL-1000 Premium Anti-Graffiti Film** is an optically clear film with up to 10-year durability.

Avery Dennison also offers a range of **opaque cast and calendared vinyl films** from the Graphics Division to meet all of your signing needs.

*For the latest instructional bulletins, please refer to [www.reflectives.averydennison.com](http://www.reflectives.averydennison.com)*

## Inks

**4930** is a one-part, 10-year solvent-based ink system for use on most Avery Dennison sheeting products.

**UVTS** screen printing inks are used in UV-curing systems. Use of UVTS Clear Coat or Avery Dennison OL-1000 Premium Anti-Graffiti sheeting is required for 7- or 10-year durability. Refer to Instructional Bulletin 8.55 (available on the web) for sheeting compatibility.

**10TS** is a two-part, 10-year solvent-based ink with graffiti resistance for use on all Avery Dennison traffic-series reflective sheetings.

**7TS** is a one-part, 7-year solvent-based ink for use on all Avery Dennison traffic reflective sheetings. A 10-year durability can be achieved by using a 7TS Clear Coat or applying Avery Dennison OL-1000 Premium Anti-Graffiti Film to the printed sign.

# Construction Work Zone Films



When conditions require temporary traffic control devices to warn drivers of roadside hazards, Avery Dennison offers a range of work zone sign sheeting and pre-stripped barricade reflective sheeting for optimal visibility in hazardous work zone areas.

## Fluorescent Sheeting

**W-9514 Omni-View™ Fluorescent Orange** is a prismatic sheeting with a permanent pressure sensitive adhesive for rigid signing applications. Fluorescent orange with Omni-View optimizes reflectivity performance at both long and short distances.

**W-7514 MVP Fluorescent Orange** is a prismatic sheeting with a permanent pressure sensitive adhesive for rigid signing applications.

## Pre-Striped Barricade Sheeting

**W-6200** is a Prismatic High Intensity Grade pre-stripe barricade sheeting for wood applications.

**W-6100** is a Prismatic High Intensity Grade pre-stripe barricade sheeting for plastic applications.

**W-1200** is an Engineering Grade pre-stripe barricade sheeting for wood applications.

**W-1100** is an Engineering Grade pre-stripe barricade sheeting for plastic applications.

Product	Application	ASTM D-4956	Spacing			
			4" Left	4" Right	6" Left	6" Right
W-6200	Wood	Type III/IV	W-6242	W-6243	W-6244	W-6245
W-6100	Plastic	Type III/IV	W-6142	W-6143	W-6144	W-6145
W-1200	Wood	Type I	W-1242	W-1243	W-1244	W-1245
W-1100	Plastic	Type I	W-1142	W-1143	W-1144	W-1145

Product Numbers

# Flexible Films for Safety Apparel & Other Specialty Films



Avery Dennison Omni-Brite™ Series S-9000 has omni-directional performance! This means you can offer your customers the highest levels of reflectivity no matter which way they twist, turn, or bend.

## Omni-Brite™

Omni-Brite™ is a flexible microprismatic material designed for use on safety vests and other garments. It offers high levels of reflectivity no matter which way people turn, twist, or bend — even in all wet weather conditions.

Omni-Brite™ is machine washable and has been certified to meet or exceed many industry standards, including ANSI/ISEA-107, EN-471, and CSA-Z96.

Omni-Brite™ S-9000C is the sister product to S-9000 and is a flexible, microprismatic material suitable for conversion into cone collars and similar products.

## Translucent Prismatic Reflective Films

6600 Translucent Reflective Sheeting is engineered for all back-lit signing applications including airport runway signs or emergency exit signs where loss of internal illumination could be fatal.

Product	Type / Usage	Specifications	Color	Fluorescent Color
Omni-Brite™ S-9000	Safety Vests	ANSI/ISEA 107; EN 471; CSA-Z96	White	FL Yellow-Green
Omni-Brite™ S-9000C	Cone Collars	ASTM D-4956 Types III, IV, & VI	Omni-Brite™ S-9000	Omni-Brite™ S-9013
			Omni-Brite™ S-9000C	—

Product	Type / Usage	Specifications	Colors	Light Transmission Levels	
				High	Medium
6600*	Translucent Film	ASTM D-4956 Type I; FAA AC150/5345-44F	White	6630	6620
6601*	Translucent Film	ASTM D-4956 Type I; FAA AC150/5345-44F	Yellow	6631	6621

\*Front surface adhesive.

Product Numbers



# Vehicle Conspicuity Tapes



Research has documented that vehicle conspicuity tape improves road safety through accident avoidance and reduction in accident severity. Increased safety results in reduced liability payments and additional savings for your fleet.

**V-5720 Vehicle Conspicuity Tape** is the original version of conspicuity used in the United States, Brazil and other countries for truck conspicuity. It is a metallized microprismatic tape offering easy application with its single-ply construction. V-5720 is a highly durable tape available in various striping configurations. It is offered in both 3 and 7-year durabilities. All V-5720 is available with logo configurations.

**V-6700 Vehicle Conspicuity Tape**, available in white, yellow, and red, meets ECE-104, Class “C” specification and carries the official watermark.

**V-9700 Conspicuity Tape** is designed for use in many different applications from school buses to slow-moving vehicles. It meets all applicable industry specifications including ASTM D-4956 Type V, ANSI/SAE S279.11 for agricultural equipment and ANSI/SAE S276.5 for Slow-Moving vehicle emblems. It is available in yellow, red, and white.

**V-9700RR/V-9701RR Rail Car Delineator Tape** increases the visibility of your rolling stock; carries the official FRA-224 watermark.

Product	Specifications	Colors			
		White	Yellow	Red	Red & White
V-9700 <sup>†</sup>	ASTM D-4956 Type V; ANSI/SAE S276.5; ANSI/SAE S279.11 FMVSS 131; FMVSS 217	V-9700	V-9701	V-9722	—
V-6700	ECE-104, Class “C”	V-6700	V-6701	V-6708	—
V-5720-7*	FMVSS 108 (7-year)	V-5720-7	—	—	V-5720-7/12C (6”R/6”W); V-5720-7/18C (11”R/7”W)
V-5720-7-LT**	FMVSS 108 (Low Temp)	V-5720-7-LT	—	—	V-5720-7-LT/12C (6”R/6”W); V-5720-7-LT/18C (11”R/7”W)
V-5720-3*	FMVSS 108 (3-year)	V-5720-3	—	—	V-5720-3/12C (6”R/6”W) V-5720-3/18C (11”R/7”W)

<sup>†</sup>Available in trapezoidal kiss-cut rolls and cut strips for customer application to SMV emblems.

\*Available in strips or kiss-cut rolls. Call for details.

\*\*For application at 0°F (-18°C).

Product Numbers

# Fleet & Commercial Graphics



Avery Dennison Night Visible Series is a complete range of reflective films engineered specifically for all your vehicle graphics and commercial signing applications.

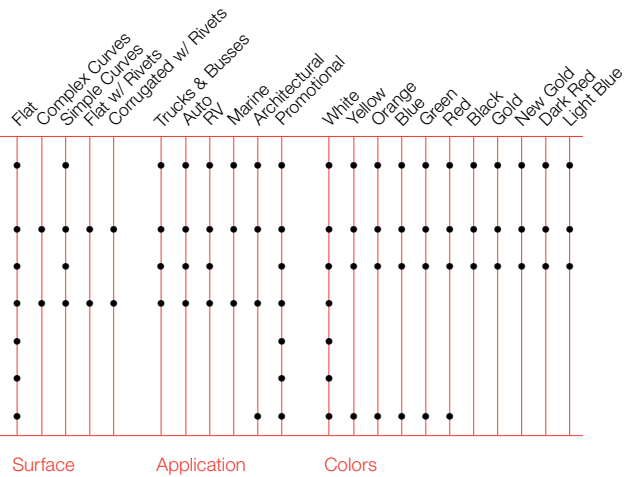
## Night Visible Series

Glass-beaded films have been the mainstay for vehicle graphics where life cycle and cost are primary criteria. Avery Dennison offers a complete range of films which can accept a variety of printing methods and inks, die-cutting requirements, and choices in adhesives and life cycle to best match your customer's requirements.

Product	Face film	Adhesive	Liner	Durability	Surface	Application	Colors
NV1500 <sup>1</sup>	Vinyl	PlaceRite® Repositionable	90-lb Sta-Flat	7 years	•	•	•
NV1300	Vinyl	Permanent	90-lb Sta-Flat	7 years	•	•	•
NV1200	Vinyl	Removable	90-lb Sta-Flat	5 years <sup>2</sup>	•	•	•
NV1100	Vinyl	Permanent	90-lb Sta-Flat	4 years	•	•	•
NV400	Polyester	Removable	90-lb Sta-Flat	2 years	•	•	•
NV300	Polyester	Permanent	90-lb Sta-Flat	2 years	•	•	•
NV200	Urethane	Permanent	High-Release	2 years	•	•	•

<sup>1</sup> Custom Coat.

<sup>2</sup> Black NV1200 is 4 years.



# License Plate & Security Films



License Plates are an important contributor to agency revenue generation and can provide the quickest method to vehicle identity and transportation security.

Avery Dennison L-3050 reflective sheeting for license plates is a premium quality, durable, wide angularity, enclosed lens retroreflective material. It is designed and engineered specifically for the production of embossed license plates. It can easily be printed with roller-coat inks or thermal transfer foil printers.

### Any Production Method & Security Level

Used throughout the world, Avery Dennison License Plate films are available to meet many current fabrication and printing systems, as well as new, integrated digital systems, which we can help you develop. Materials can be custom-printed, water-marked, or incorporate our patented Secure-Mark™ process depending on the level of security desired.

Avery Dennison can provide products for use in front-plate, window sticker, validation sticker, or many other applications.

### Secure Mark™ Non-reproducible Imaging

Avery Dennison Secure Mark™ provides the highest level of sheeting security due to its unique optical characteristics. The Secure Mark™ feature is imaged within the reflective sheeting by a patented embedded embossing technology which can not be duplicated by conventional printing methods such as 4-color process, silk-screening, laser or digital.

Secure Mark™ can be incorporated into any enclosed lens retroreflective sheeting without affecting its reflective performance.

	Product	Use Description	Customized Printing	Flexo Printable	Screen Printable	Digital Printable	SecureMark™	Embossable
License Plates	L-3050	Embossable standard issue license plates	•	•	•	•	•	•
	LP-3050/LP-0500	Reflective material for standard and digital surface printing; includes overlamine layer.	•	•	•	•	•	•
	LF-1500	Front face license plates					•	
	LS-1500	Shearable license plates	•	•	•	•	•	
	LB-1500	Back face license plates	•	•	•	•	•	
Window Stickers	LW-1000	Stickers requiring exposed metalization layer		•	•	•	•	
	LW-0400	Stickers requiring dual PET protective layer		•	•	•	•	
Validation Decals	LV-0700	Validation decals		•	•	•	•	

\* all print technologies require use of Avery recommended systems

## Doing Business with Avery Dennison

### Toll-free Customer Support Numbers

1-800-28-AVERY (1-800-282-8379) voice  
1-800-877-4923 or 1-440-358-2702 fax

### Standard Support Hours

8:00AM – 5:00PM Eastern Time

### Establishing an Account

You can access forms necessary to establish an account with Avery Dennison on the Internet.

Find them at this URL:

[www.reflectives.averydennison.com/credit/](http://www.reflectives.averydennison.com/credit/)

### World Wide Web Access

To facilitate processing your order or query, Avery Dennison also provides online ordering, quote requests, access to specifications, technical bulletins, and product brochures on the internet. You can also find contact information for your regional sales managers there. During peak season work periods, you may find contacting us via the web to be more accommodating to your work schedule.

[www.reflectives.averydennison.com](http://www.reflectives.averydennison.com)

### Warranty

No express warranties and no implied warranties, whether of merchantability or fitness for any particular use, or otherwise (except as to title), other than those expressly set forth above which are made expressly in lieu of all other warranties, shall apply to products sold by Avery Dennison. Avery Dennison specifically disclaims and excludes all other such warranties. No waiver, alteration, addition or modification of the foregoing conditions shall be valid unless made in writing and manually signed by an officer of Avery Dennison.

### Graphics and Reflective Products Division

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[www.reflectives.averydennison.com](http://www.reflectives.averydennison.com)

## World-wide Locations

Avery Dennison Reflective Products has established locations throughout our major markets to serve your account. We also are supported by a growing network of distributors. Please contact these main offices for your local contact:

### North America

#### Avery Dennison Graphics and Reflective Products Division

250 Chester Street #6  
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