

Avery Dennison® S-9700 & V-3000 Delineator Series

Issued: February 2017

Avery Dennison® Delineator Series is designed to mark obstructions within or adjacent to the road for increased nighttime recognition and increased road safety. It is a high quality, durable, microprismatic retroreflective material with a pressure sensitive adhesive. The solid construction does not require edge sealing.

Features:

- Solid construction does not require edge sealing
- Provides exceptional all-distance viewing at dawn, dusk, and night



Performance:
SAEJ 292
SAEJ 594



Durability: 7 years
Vertical exposure only



Orientation: Omni-Directional



Face: Acrylic Retroreflective
Film with Microprisms



Adhesive: Permanent
Pressure Sensitive



Liner: Polymeric Film



Application Surface: Metal &
Painted Metal

Finishes:

- 48" x 250 yard Rolls
- 2" x 3.5" (810 pieces per roll)
- Custom Finishes

Product Availability:

S-9775	Red, no watermark
S-9776	Yellow-Amber, no watermark
V-3008R	Red – 2" x 3.5" Reflectors w. SAE A DOT
V-3076R	Yellow-Amber - 2" x 3.5" Reflectors w. SAE A DOT

Applications:

- Trucks & Trailers
- Recreation Vehicles
- Recycling & Waste Vehicles
- Utility & Maintenance Vehicles

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Retroreflectivity:

The Delineator Series **exceeds** all minimum coefficients of retroreflection requirements SAEJ594

Table A:

Minimum Candlepower per incident footcandle for a reflex reflector¹

Observation Angle	Entrance Angle	Minimum	
		Red	Yellow-Amber
0.2°	0°	11	28
	10° up	9	23
	10° down	9	23
	20° left	7	17.5
	20° right	7	17.5
1.5°	0°	0.90	2.3
	10° up	0.09	0.23
	10° down	0.09	0.23
	20° left	0.08	0.2
	20° right	0.08	0.2

¹Circular reflector with a 3" diameter or a 2" x 3" rectangular reflector

Colors and Specification Limits:

The Delineator Series **meets** the color requirements tested in accordance to SAE J578 test method 4.1.3

Characteristics:

Property	Requirement	Series V-5720 Typical Values
Shelf-Life	NA	1 year from date of purchase when stored at the following conditions; 65°-75°F (18°-24°C) and 50% ± 5% R.H.
Typical Film Caliper (Does not include liner)	NA	19 – 22 mils (482 – 559 µm)
Min. Application Temperature	NA	+50° F (10° C)
Service Temperature	NA	-22°F to +158°F (-30°C to + 70°C)

Avery Dennison Delineator Series meets the current applicable requirements for the following specifications:

SAE J292	US
SAE J594	US

Avery Dennison suggests you obtain the current requirements from your local agency and ensure product conformance with such requirements. Your Avery Dennison Representative can assist you in this regard.

Application Information:

The following Avery Dennison literature will provide information to the user for proper application, storage, and other requirements. Find the latest information on the Avery Dennison website, www.reflectives.averydennison.com. We encourage you to check our website periodically for updates.

Instructional Bulletins:

Substrate Requirements	#8.01
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Substrates:

The application of Avery Dennison Delineator Series product is limited to properly prepared metal and painted metal substrates. Users are urged to carefully evaluate, under actual use conditions, any film application to other substrates. For painted surfaces follow manufacturer's recommendations for drying and curing. Failure of film caused by other substrates, materials, contamination, or improper surface preparation is not the responsibility of Avery Dennison. See Instruction Bulletin #8.01 for full details on substrate requirements.

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WARRANTY:

Avery Dennison products are warranted to be free from defects in material and workmanship for one year from date of purchase. It is expressly agreed and understood that Avery Dennison's sole obligation and Purchaser's exclusive remedy under this warranty, under any other warranty, express or implied, or otherwise, shall be limited to repair or replacement of defective Product without charge at Avery Dennison's plant or at the location of Product (at Avery Dennison's election), or in the event replacement or repairs is not commercially practical, to Avery Dennison's issuing Purchaser a credit reasonable in light of the defect in the Product.

CONDITIONS:

This warranty shall be effective only if all of the following conditions are met:

Fabrication and/or installation must occur within one (1) year from the date of purchase.

The failure must have resulted solely from a manufacturing defect or deterioration of the Product due to natural causes under the Performance Warranty. Without limiting the generality of the foregoing, there is no warranty for the failure of the sheeting due to improper fabrication, improper storage, handling, installation, maintenance, failure of the substrate, vandalism or mischief. Slight color fading, cracking, chalking, edge lifting, or slight reduction in gloss or reflectivity will not materially detract from appearance and does not constitute a breach of warranty.

Avery Dennison has published instructional bulletins pertaining to the storage, handling, and cleaning of Product, approved substrates, and application procedures (collectively, the "Procedures"). The Product must have been processed and applied to blank, clean material in accordance with the Procedures, as such may be amended from time to time. Avery Dennison reserves the right to reject any warranty claim where the fabricator or installer cannot satisfactorily prove or demonstrate that the Avery Dennison Procedures were utilized. The date of installation, warranty registration, and claim procedures established by Avery Dennison must be followed, and failure to follow such procedures shall void this warranty. Replacement Product carries only the unexpired warranty portion of the Product it replaces. The Product must be properly stored and applied within the shelf-life as stated in the applicable Avery Dennison Product Data Sheet including adhesive and other material product data sheets.

INDEPENDENT TESTING REQUIRED

All statements, technical information and recommendations about Avery Dennison products are based upon tests and information believed to be reliable but do not constitute a guarantee or warranty of any kind. All Avery Dennison products are sold with the understanding that Purchaser has independently determined the suitability of such products for its intended and other purposes.

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHERS. ANY AND ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED. 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.