

Avery Dennison® Fluorescent Orange Omni-View
 Prismatic Grade Reflective Sheeting
 Fluorescent Orange Work Zone Signage
 Pressure Sensitive Adhesive for Aluminum

Data Bulletin # W-9514 Omni-View
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Description:

Avery Dennison® Fluorescent Orange Omni-View Prismatic Grade Reflective Sheeting is a super-high performance, micro-prismatic retroreflective material. Its bright fluorescent color provides daytime conspicuity from dawn to dusk. Omni-View provides exceptional long distance performance while still maintaining the short distance performance, which characterizes Type IX. This unique performance combination provides high conspicuity for early recognition and additional brightness at shorter distances.

Construction:

Face Film:	High gloss
Adhesive	Permanent Pressure Sensitive (Class 1).
Liner:	Poly Liner

Photometric Performance:

Minimum Coefficient of Retroreflection (R_A) (cd / lx / m²)

Observation Angle	Entrance Angle	Fluorescent Orange
0.1°	-4°	225
	30°	110
0.2°	-4°	155
	30°	65
0.5°	-4°	93
	30	41
1.0°	-4°	24
	30°	14

Note: 0.1° Observation angle represents long highway viewing distances of about 275 Meters (900 ft.) and greater.

Colors & Specification Limits (Daytime):

Fluorescent Orange Omni-View sheeting will meet the color specifications below when tested as noted.*

Color	1		2		3		4	
	x	y	x	y	x	y	x	y
Fluorescent Orange	0.583	0.416	0.535	0.400	0.595	0.351	0.645	0.355

The four pairs of chromaticity coordinates determine the acceptable color in terms of the CIE 1931 Standard Colorimetric System measured with Standard Illuminant D65.

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*Daytime Luminance:**

Fluorescent Orange	Luminance (Y%)	
	Min	Max
W-9514 Omni-View	25	---

* The color and fluorescence must be tested with equipment having proper geometry. For approved test methods and equipment, please contact Avery Dennison, Reflective Films Division, Optics Department.

Note: Fluorescent Orange Omni-View sheeting will also meet the color and fluorescence requirements in the proposed FHWA Color Specifications of December, 1999. (23CFR pt655- Dec. 21, 1999) using the test equipment and procedure designated therein.

Other Specifications:

Consult your Avery Dennison Representative for information concerning additional world-wide specifications.

Physical Properties:

Outdoor Durability	Avery Dennison W-9514 Omni-View has a 3 year durability when properly processed and applied.
Minimum Surface & Ambient Air Application Temperature	65°F (18°C) when applied with a squeeze roll applicator.
Application Surface	Flat surfaces only. Not recommended for unpainted stainless steel. Always pretest your specific substrate prior to application. Note: Wet method of application is not recommended for Avery Dennison W-9514 reflective sheeting.
Service Temperature Range	-40°F to 180°F (-40°C to 82°C)
Typical Film Caliper (w/adhesive)	15.5 to 16.5 mils
Shelf Life	One year when stored at the following temperature and conditions 68° - 77°F (20° - 25°C) and 50% ± 5%± R.H.
Other Tests:	Omni-View meets all other requirements set forth in ASTM D 4956 including Shrinkage, Flexibility, Liner removal, Adhesion, Impact resistance, Specular gloss and Outdoor weathering.

Application & Conversion Information:

Fluorescent Orange Omni-View is available 50 yard rolls of 24, 36 and 48 inch width.

The following Avery Dennison literature will provide complete information to the user for proper application, storage, and other requirements and is available from your Avery Dennison representative, from the Avery Dennison web-site www.reflectives.averydennison.com, or on request:

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Approved screen printing inks:

Ink Supplier	Ink Series	Ink System	Instructional Bulletins
Avery Dennison	4930 Inks	1 Part Solvent	#8.40

Sign Mounting /Orientation:

Fluorescent Orange Omni-View is omni-directional. It does not require a special orientation for mounting, and therefore, does not require an orientation arrow datum mark.

Instructional Bulletins:	
Sheeting Care & Handling	#8.00
Substrate Requirements	#8.01
Application Techniques PS Sheeting	#8.10
Steel Rule Die-Cutting	#8.20
Thermal Die Cutting	#8.20
Screen Preparation	#8.30
Troubleshooting Printing & Processing	#8.34
Proper Sign Storage Booklet	#8.50

Warranty:

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