

Avery Dennison® T-7500 MVP Cuttable

Data Bulletin # T-7500 Cuttable

Revised 10/2003

Maximum Visual Performance
Prismatic Grade Reflective Sheeting
Permanent Traffic Signage
Pressure Sensitive Adhesive for Copy and Legend

Description:

Avery Dennison® T-7500 MVP Cuttable Prismatic Grade Reflective Sheeting is a super-high performance, durable micro-prismatic retroreflective material. Its unique prismatic construction provides the highest level of reflectivity. Meets applicable requirements for Prismatic Grade sheeting applications for Type VIII retroreflective sheeting as set forth in ASTM D 4956 (table below). T-7500 MVP Cuttable is designed for use in electronic plotters to create sign copy and legend. T-7500 Cuttable is not warranted for use as sign backgrounds. Use Avery Dennison® T-7500 MVP for sign backgrounds.

Construction:

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

Photometric Performance:

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

Observation Angle	Entrance Angle	White
0.1°	-4°	1000
	30°	460
0.2°	-4°	700
	30°	325
0.5°	-4°	250
	30	115

Note: 0.1° Observation angle is a "Supplemental Requirement" in ASTM D-4956. It represents long highway viewing distances of about 275 Meters (900 ft.) and greater.

Colors & Specification Limits (Daytime)^A:

Color	1		2		3		4		Luminance (Y%)	
	x	y	x	y	x	y	x	y	Min	Max
White	0.303	0.300	0.368	0.366	0.340	0.393	0.274	0.329	40	--

^AThe 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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Other Specifications:

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

Physical Properties:

Outdoor Durability	Avery Dennison T-7500 MVP Cuttable is a 10 year durable product when properly processed and applied. Refer to the appropriate Avery Dennison product warranty for specific details.
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 T-7500 Cuttable reflective sheeting.
Service Temperature Range	-40°F to 180°F (-40°C to 82°C)
Typical Film Caliper (w/adhesive)	12.5 to 13.5 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:	T-7500 MVP Cuttable meets all other requirements set forth in ASTM D 4956 including Shrinkage, Flexibility, Liner removal, Adhesion, Impact resistance, Specular gloss and Outdoor weathering.

Application & Converting Information:

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:

Sign Mounting /Orientation:

This prismatic sheeting does not require a special orientation for mounting and thus does not require an orientation arrow datum mark).

Approved screen printing inks:

Ink Supplier	Ink Series	Ink System	Instructional Bulletins
Avery Dennison	4930 Inks	1 Part Solvent	#8.40
Avery Dennison	UVTS™ Nazdar	UV Curable	#8.38

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Instructional Bulletins:	
Storage, Handling & Cleaning	#8.00
Substrate Requirements	#8.01
Contractor's Guide for Storage	#8.04
Application of PS Adhesive	#8.10
Cutting Methods	#8.20
Computer Sign Cutting	#8.25
Screen Preparation	#8.30
Troubleshooting Printing	#8.34
Proper Storage Booklet	#8.50
Ink Recommendation Guide	#8.55

Color Availability:	
T-7500 MVP Cuttable	White

Warranty:

WARRANTY: All statements, technical information and recommendations about Avery Dennison products are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that Purchaser has independently determined the suitability of such products for its purposes. Avery Dennison products are warranted to be free from defects in material and workmanship for either one year (or the period stated on the specific product information literature in effect at time of delivery, if longer) from date of shipment if said product is properly stored and applied. 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.

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T-7500 MVP Cuttable is protected by the following US patents: 4,460,449; 4,633,567; 5,156,863; 4,486,363; 4,601,861; 5,213,872; 5,310,436; 5,930,041