

Avery Dennison® M-0500 ACV
 European Commercial Grade Reflective Sheeting
 Pressure Sensitive Adhesive for Aluminum

Data Bulletin # M-0500 ACV.
 Dated: 07/08

Description:

Avery Dennison® M-0500 ACV Commercial Grade Reflective sheeting is an enclosed lens retroreflective material. M-0500 ACV is ideal for non-specification signage requirements such as off-road signage, advertising, parking lots, labels and decals.

Construction:

Face Film:	High gloss Acrylic
Adhesive	Permanent Pressure Sensitive
Liner:	Paper

Photometric Performance:*

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

Observation Angle	Entrance Angle	White
0.2°	-4°	50
0.33°	5	36

Colors & Specification Limits (Daytime):

Color	1		2		3		4		Daytime Luminance Factor (%Y)	
	X	Y	X	Y	X	Y	X	Y	min	max
White	0.306	.327	.306	.337	.316	.337	.316	.327	27	--
Yellow	0.511	.463	.511	.473	.521	.473	.521	.463	15	45
Blue	.139	.126	.139	.136	.149	.136	.149	.126	1	10
Red	.645	.326	.645	.336	.655	.336	.655	.326	2.5	12
Green	.132	.453	.132	.463	.142	.463	.142	.453	3	9

CIE Standard Illuminant D65 and 2 degree observer using 45/0 (or 0/45 equivalent) geometries per ASTM E-1349. The four (4) pairs of chromaticity define the acceptable color limits in terms of the CIE 1931 Standard Colorimetric System.

Avery Dennison® M-0500 ACV continued...

Physical Properties:

Outdoor Durability	Avery Dennison M-0500 ACV is warranted 3 years when properly processed and applied*.
Minimum Surface & Ambient Air Application Temperature	18°C when applied with a squeeze roll applicator.
Application Surface	Flat surfaces only. Always pretest your specific substrate prior to application.
Service Temperature Range	-40°C to 82°C
Shelf Life	One year when stored at the following temperature and conditions 15°- 30°C with a humidity of 30 - 60%

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:

Recommended screen printing inks:

Ink Supplier	Ink Series
Visprox	TCI / Caotes
Wiederhold	Z/PVC

Available Products:

Code	Description	Width	
RB2831	M-0500 ACV WHITE	1.22000	45.70000
RB2872	M-0500 ACV WHITE	.91000	45.70000
RB2914	M-0500 ACV WHITE	.76200	45.70000
RB2849	M-0501 ACV YELLOW	1.22000	45.70000
RB2880	M-0501 ACV YELLOW	.91000	45.70000
RB2963	M-0505 ACV BLUE	1.22000	45.70000
RB2971	M-0508 ACV RED	1.22000	45.70000

(*) Instructional Bulletins:

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

Avery Dennison / Traffic & Safety

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