

# PRODUCT DATA SHEET

## Avery Dennison® 500EF Event Film

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### Introduction

Avery Dennison 500 Event Film Serie range is ideal for directional signage, promotional displays, exhibition stand graphics and short term indoor and outdoor applications.

The films are available in gloss with a permanent adhesive and in matt with permanent or semi-permanent adhesive.

### Conversion

Avery Dennison 500 Event Film Serie is developed for signcutting purposes with excellent cutting properties on a wide range of computerised signmaking equipment. The matrix can easily be weeded after cutting. Avery Dennison 500 Event Films are thermal

transfer printable, other digital printing techniques are not recommended.



#### Face Film

70 µm, monomerically plasticised vinyl



#### Adhesive

permanent and semi-permanent, acrylic based



#### Backing

one side coated bleached kraft paper, 125 g/m<sup>2</sup>



#### Durability

5 years (vertical exposure)



#### Shelf Life

2 years - stored at 22°C/50%RH

### Recommendations

- » Interior sign and display panel applications.
- » Exhibition stand graphics and interior architectural signs.
- » Short term outdoor markings and advertising, if matt finish is needed.
- » Short term promotional displays.

### Features

- » Increased reflection opacity of Event Film white, yellow, orange and blue.
- » Excellent conversion properties for computerised signmaking.
- » Excellent removability of the semi-permanent adhesive from many substrates (up to 1 year)\*.
- » Extensive colour range with 47 matching colours in the Event Film Matt as well as in the Event Film Gloss series – all REACH compliant.
- » Blue contrast backing paper on Event Film Matt white and Event Film Gloss white for ease of conversion.
- » New liner imprint design with square pattern to support manual conversion.
- » Good dimensional stability
- » Fire certification EN13501-1+A1:2013, B-s1, d0

Note: Do not overlay monomeric plasticised films; migration of components might occur.

(\*) Except if film applied on nitrocellulose paints, ABS, polystyrene, screen inks (fresh), some types of PVC, not properly dried paints.

## Physical Characteristics

Product	Test method <sup>1</sup>	Results	
		Semi-Perm	Perm
Caliper, facefilm (micron)	ISO 534	75	75
Caliper, facefilm + adhesive (micron)	ISO 534	92	92
Gloss (GU)	ISO 2813	Matt 85° 12%	Gloss 20° 60%
Dimensional stability (mm max.)	FINAT FTM 14	0.5	0.5
Fire rate classification	EN13501-1+A1:2013	B-s1, d0	B-s1, d0
Shelf life (years)	Stored at 22° C/50-55 % RH	2	2
Durability <sup>2</sup> (years)	Vertical exposure	Black & White - 5 All colours - 4 Metallics - 2	Black & White - 5 All colours - 4 Metallics - 2
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	225	500
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	300	700
<b>Temperature range</b>			
Application temperature (Minimum: °C)		+10	+10
Service temperature (°C to +°C)		-40 to +100	-40 to +100
<b>Chemical properties<sup>3</sup></b>			
Humidity resistance	120 hours exposure	No effect	
Corrosion resistance	120 hours exposure	No contribution to corrosion	
Water resistance	48 hours immersion	No effect	
Chemical resistance	Mild acids	No effect	
Solvent resistance	Mild alkalis	No effect	
Solvent resistance	Applied to aluminium	No effect exposed to: oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel.	

## Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

1) Test methods: More information about our test methods can be found on our website.

2) Durability: The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.

3) Prolonged immersion in gasoline and similar fluids is not recommended.

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