

Avery Dennison® 500 Event Film Series

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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.

Description

Facefilm:	70 µm, monomerically plasticised vinyl
Adhesive:	<u>permanent</u> and semi-permanent, acrylic based
Backing paper:	one side coated bleached kraft paper, 125 g/m ²

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.

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
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Recommendations for use

- 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.

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 properties

Features	Test method ¹	Results	
		500EF matt Semi-Permanent	500EF gloss/matt Permanent
Caliper, facefilm Gloss level: Gloss Film Matt Film	ISO 534 ISO 2813, 20° ISO 2813, 85°	75 µm na 12%	75 µm 60% (gloss) 12% (matt)
Dimensional stability Adhesion, initial Adhesion, ultimate	DIN 30646 FINAT FTM-1, stainless steel FINAT FTM-1, stainless steel	0.5 mm, max 225 N/m 300 N/m	0.5 mm, max 500 N/m 700 N/m
Fire rate classification	EN13501-1+A1:2013	B-s1,d0	B-s1,d0
Shelf life	Stored at 22° C/50-55 % RH	2 years	2 years
Durability ² Black + White All colours Metallics	Vertical exposure	5 years 4 years 2 years	5 years 4 years 2 years
Temperature range Application temperature Service temperature		Minimum: +10° C -40° to +100° C	
Chemical resistance Humidity resistance Corrosion resistance Water resistance Chemical resistance Solvent resistance	120 hours exposure 120 hours exposure 120 hours exposure Mild acids Mild alkalis Applied to aluminum, exposed to oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel.	No effect No contribution to corrosion No effect No effect No effect No effect	

NOTE: Materials have to be properly dried before further processing, for example laminating, varnishing or application. The residual solvents could change the products' specific features.

For good print and converting result we recommend to let the rolls acclimatize in the print/lamination room at least 24 before printing or converting. Too much temperature or humidity deviation between material and room climate can cause layflatness and/or printability issues.

Generally, constant material storage conditions of ideally 20°C (+/-2°C) /50% rh (+/- 5%), without too big climate deviations, will support a more robust and stable printing/converting process. For further details, please refer to TB 1.11.

Important

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. 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 these Conditions, the English version shall be controlling.

Warranty

Avery Dennison® branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or make any representation contrary to the foregoing.

All Avery Dennison® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

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.