

Product Data Sheet

Avery Dennison® 500 Event Film Series

issued: 10/2019

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 paper

one side coated bleached kraft paper, 125 g/m²



Durability

5 years (vertical exposure)



Shelf life

Up to 2 years
(stored at 22°C and 50-55% RH)

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.

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 properties

| Features | Test method ¹ | Results | |
|------------------------------|------------------------------|-----------------|---------|
| | | Semi-Perm | Perm |
| Caliper, facefilm | ISO 534 | 75 micron | |
| Caliper, facefilm + adhesive | ISO 534 | 92 micron | |
| Gloss level | ISO 2813, 20° | 60% | |
| Gloss level | ISO 2813, 85° | 12 % | |
| Dimensional stability | DIN 30646 | 0.5 mm max. | |
| Adhesion, initial | FINAT FTM-1, stainless steel | 225 N/m | 500 N/m |
| Adhesion, after 24 hours | FINAT FTM-1, stainless steel | 300 N/m | 700 N/m |
| Fire rate classification | EN13501-1+A1:2013 | B-s1,d0 | |
| Shelf life | Stored at 22° C/50-55 % RH | 2 years | |
| Durability ² | Vertical exposure | | |
| | Black + White | 5 years | |
| | All colours | 4 years | |
| | Metallics | 2 years | |
| Temperature range | | | |
| Application temperature | | Minimum: + 10°C | |
| Service temperature | | -40°C to +100°C | |

Chemical properties

| | | | |
|----------------------|---|------------------------------|--|
| Humidity resistance | 120 hours exposure | No effect | |
| Corrosion resistance | 120 hours exposure | No contribution to corrosion | |
| Water resistance | 48 hours exposure | No effect | |
| Chemical resistance | Mild acids | No effect | |
| Solvent resistance | Mild alkalis | No effect | |
| Solvent resistance | Applied to aluminium, exposed to oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel | No effect | |

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

2) Durability: 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.

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