

PRODUCT DATA SHEET

Avery Dennison® 500 Event Film Gloss

issued: 11/2014

Introduction

Avery Dennison 500 Event Film Gloss range is ideal for directional signage, promotional displays, point-of-sale material, exhibition stand graphics and short term indoor and outdoor applications.

Description

Facefilm: 70 micron, monomerically plasticised vinyl
Adhesive: permanent, acrylic based
Backing paper: one side coated bleached kraft paper, 125 g/m²

Conversion

Avery Dennison 500 Event Film Gloss has excellent cutting properties on wide range of computerised signmaking equipment. The matrix can easily be weeded after cutting. Avery Dennison 500 Event Film Gloss is developed for signcutting purposes. Avery Dennison 500 Event Film Gloss is thermal transfer printable, other digital printing techniques are not recommended.

Features

- Increased reflection opacity of Event Film Gloss white, yellow, orange and blue.
- Excellent conversion properties for computerised signmaking.
- Excellent general purpose permanent adhesive with good initial tack and high adhesion on most common substrates.
- Extensive colour range with 47 matching colours in the Event Film Gloss as well as in the Event Film Matt series – all REACH compliant.
- Blue contrast backing paper on Event Film Gloss white and Event Film Matt white for ease of conversion.
- Register guides on the re-designed liner imprint.
- Product and manufacturing identification electronically printed on the liner.
- B1 approved, fire rate classification based on the German standard DIN 4102-1, under file number 230004952.
- M1 approved, fire rate classification based on the French standard NFP 92-501, under file number F041342/CEMATE/2

Recommendations for use

- Short term outdoor markings, advertising and directional signage.
- Interior sign and display panel applications, when gloss finish is desired.
- Exhibition stand graphics and interior architectural signs, when use of gloss film and permanent adhesive is required.
- Short term outdoor markings and advertising, if gloss finish is needed.
- Short term promotional displays.
- Special coloured promotional stickers.

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

PRODUCT CHARACTERISTICS

Avery Dennison® 500 Event Film Gloss

Physical properties

Features

Caliper, facefilm
Gloss level: Gloss Film
Dimensional stability
Adhesion, initial
Adhesion, ultimate
Fire rate classification

Test method¹

ISO 534
ISO 2813, 20°
FINAT FTM 14
FINAT FTM-1, stainless steel
FINAT FTM-1, stainless steel
DIN 4102-1 on stainless steel
NFP 92-501 on stainless steel
Stored at 22° C/50-55 % RH
Vertical exposure

Results

70 micron
60%
0.5 mm, max
500 N/m
700 N/m
Class B1₃
Class M1₃
2 years
5 years
4 years
2 years

Shelf life

Durability²

Black + White
All colours
Metallics

Temperature range

Features

Application temperature
Service temperature

Results

Minimum: +10° C
-40° to +100° C

Chemical resistance

Features

Humidity resistance
Corrosion resistance
Water resistance
Chemical resistance

Test method¹

120 hours exposure
120 hours exposure
120 hours immersion
Mild acids
Mild alkalis
Applied to aluminium, exposed to
oils, greases, aliphatic solvents, motor oils,
heptane, kerosene and JP-4 fuel.

Results

No effect
No contribution to corrosion
No effect
No effect
No effect
No effect

Solvent resistance

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.

PRODUCT DATA SHEET

Avery Dennison® 500 Event Film Matt

issued: 11/2014

Introduction

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

Description

Facefilm: 70 micron, monomerically plasticised vinyl
Adhesive: semi-permanent, acrylic based
Backing paper: one side coated bleached kraft paper, 125 g/m²

Conversion

Avery Dennison 500 Event Film Matt has excellent cutting properties on wide range of computerised signmaking equipment. The matrix can easily be weeded after cutting. Avery Dennison 500 Event Film Matt is developed for signcutting purposes. Avery Dennison 500 Event Film Matt is thermal transfer printable, other digital printing techniques are not recommended.

Features

- Increased reflection opacity of Event Film Matt 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.
- Register guides on the re-designed liner imprint.
- Product and manufacturing identification electronically printed on the liner.
- B1 approved, fire rate classification based on the German standard DIN 4102-1, under file number 230004952.
- M1 approved, fire rate classification based on the French standard NFP 92-501, under file number F041342 – CEMATE/1.

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.

PRODUCT CHARACTERISTICS

Avery Dennison® 500 Event Film Matt

Physical properties

Features

Caliper, facefilm
Gloss : Matt Films
Dimensional stability
Adhesion, initial
Adhesion, ultimate
Removability

Test method¹

ISO 534
ISO 2813, 20°
FINAT FTM 14
FINAT FTM-1, stainless steel
FINAT FTM-1, stainless steel

Results

70 micron
12%
0.5 mm, max
225 N/m
300 N/m
up to 1 year

*Not when applied to: Nitro-cellulose paints, ABS, Polystyrene, (fresh) screen-printing inks, certain types of PVC, paints that are not completely dry.

Fire rate classification

DIN 4102-1 on stainless steel
NFP 92-501 on stainless steel

Class B1₃
Class M1₃

Shelf life Stored at 22° C/50-55 % RH 2 years
Durability²

Vertical exposure

Black + White
All colours
Metallics

5 years
3 years
2 years

Temperature range

Features

Application temperature
Service temperature

Results

Minimum: +0° C
-40° to +100° C

Chemical resistance

Features

Humidity resistance
Corrosion resistance
Water resistance
Chemical resistance

Test method¹

120 hours exposure
120 hours exposure
120 hours immersion
Mild acids
Mild alkalis
Applied to aluminium, exposed to oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel.

Results

No effect
No contribution to corrosion
No effect
No effect
No effect
No effect

Solvent resistance

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.

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