

# PRODUCT DATA SHEET

## Avery Dennison® 500 Event Film Gloss

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### 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/m<sup>2</sup>

### 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 method<sup>1</sup>

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 B1<sub>3</sub>  
Class M1<sub>3</sub>  
2 years  
5 years  
4 years  
2 years

Shelf life

Durability<sup>2</sup>

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 method<sup>1</sup>

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.