

# PRODUCT DATA SHEET

## Avery Dennison® 500 Event Film Matt

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

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

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 B1<sub>3</sub>  
Class M1<sub>3</sub>

Shelf life Stored at 22° C/50-55 % RH 2 years  
Durability<sup>2</sup>

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 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.