

Avery Dennison® 500 EF Event Film Film- Gloss

Revision 0

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 semipermanent adhesive.

Common Applications

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.

Common Applications

- 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.



Face Film
70 micron, monomeric calendered vinyl



Backing
One side coated bleached kraft paper, 125 g/m2



Adhesive
Permanent, acrylic based



Outdoor life**
Up to 5 years (zone 1)(vertical exposure)

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.

Conversion

- Flatbed cutters
- Friction fed cutters
- Die cutting
- Hand cutting

Asia Pacific
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General

		Perm	Perm
Calliper, face film	ISO 534	75 (±) micron	75
Calliper, face film & adhesive	ISO 534	92 (±) micron	92
Gloss 20°	ISO 2813	60 GU	
Mil. spec. shrinkage	FINAT, FTM-14	<0.5%	
Fire rate classification	EN13501-1+A1:2013	B-s1,d0	
Elongation at break	ISO 527	250%	
Adhesion, initial	FINAT FTM-1, Stainless steel	500 N/m	
Adhesion, ultimate	FINAT FTM-1, Stainless steel	700 N/m	
Shelf life	Stored at 22° C/50-55% RH	2 years	
Expected Durability**	Vertical exposure (Zone 1)	Black & White - 5 years All colours - 4 years Metallics - 2 years	

Thermal

Application temperature	Minimum 10°C
Service temperature	-40°C to +100°C

Chemical

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

Important

Information on physical 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 any material for their specific use.

All technical data is subject to change without prior notice.

Warranty

Avery Dennison® 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 guarantee, warranty, or make any representation contrary to the foregoing. All Avery Dennison® materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

**Expected Durability

The expected durability of Avery Dennison films are defined as the expected performance life of the Avery Dennison graphic film(s) within Zone 1 of the Avery Dennison zone system, in outdoor vertical exposure conditions.

The actual performance life will depend on a variety of factors, including selection and preparation of substrate, angle and direction of exposure, application methods, environmental conditions and cleaning/maintenance of the films.

In case of films used in areas of high temperatures or humidity, high altitudes and industrially polluted areas the performance will be further reduced.

Testing Methods

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°C, after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 30 Mins after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.



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