

# PRODUCT DATA SHEET

**Avery Dennison® SignFlex™**

**Issued: 1/2020**

## Introduction

Avery Dennison SignFlex™ is especially developed to adhere to flexible substrates like tarpaulins. The adhesive is designed to have a permanent ultimate adhesion onto the substrate. SignFlex™ comes in 1.23m width and is available in 6 different colors. The films are printable and can be protected with a suitable SignFlex™ DOL overlamine.

## Description

Facefilm: 75 micron premium cast vinyl  
Adhesive: permanent on plasticised PVC based tarpaulins only  
Backing paper: one side coated white kraft paper, 140 g/m<sup>2</sup>

## Conversion

Avery Dennison SignFlex™ offers excellent weeding and cutting performance on a wide range of computer signmaking equipment. Avery Dennison SignFlex™ White can be printed with Latex, UV, solvent or Eco-solvent inks; an overlamine is recommended to protect the print.

## Features

- Six high gloss standard colours are available to mark trailer curtains and banners.
- Exceptional flexibility
- Outstanding durability and outdoor performance.
- Excellent layflatness and stability during cutting and weeding
- High adhesion to a wide variety of plasticised PVC substrates.
- Easy application, no drying time required compared to other application methods
- Wet application method allows for repositioning during the first minutes of application.
- Excellent dimensional stability during use and application.

## Recommendations for use

Avery Dennison SignFlex™ is especially designed for lettering, decorations and graphics on tarpaulin and banner material

Wet application allows for a repositioning of the decals at the start of the application.

Avery Dennison Application Paper and Tapes can be used to transfer the plotted material evenly onto the desired substrate.

For further recommendations on converting and application please check T.B 3.7



Inspired Brands.  
Intelligent World.™

[graphics.averydennison.eu](http://graphics.averydennison.eu)

## PRODUCT CHARACTERISTICS

Avery Dennison® SignFlex™

### Physical properties

#### Features

Caliper, facefilm  
Caliper, facefilm + adhesive  
Gloss  
Dimensional stability  
Elongation at break  
Adhesion, initial  
Adhesion, ultimate  
Flammability  
Accelerated ageing

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

ISO 534  
ISO 534  
ISO 2813, 20°  
FTM14  
DIN 53445  
FINAT FTM-1, stainless steel  
FINAT FTM-1, stainless steel

#### Results

75 micron  
125 micron  
> 50%  
0,20 mm. max  
>130%  
75 N/m  
145 N/m  
self-extinguishing  
No negative impact on film performance  
2 years  
5 years

Shelf life

Durability<sup>2</sup>

All Colours unprinted

Stored at 22° C/50-55 % RH

Vertical exposure

### Temperature range

#### Features

Application temperature  
Temperature range

#### Results

Minimum: +10° C  
-40° to + 60°C

### Chemical resistance

#### Features

Humidity resistance  
Saltspray resistance  
Water resistance

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

200 hours exposure  
120 hours exposure to corrosion  
48 hours immersion

#### Results

No effect  
No effect  
No effect

**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 24h 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** All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that the purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>

#### 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. Printed materials should be protected by the Signflex™ DOL overlamine. For more detailed informations please refer to the Instructional Bulletin 1.30 EU Durability of Avery Dennison Graphics Films.