

Product Data Sheet

Avery Dennison® SignFlex™ DOL

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Introduction

Avery Dennison SignFlex™ DOL cast overlamine is premium quality, ultra-flexible films designed to be used as protective overlamine film for digitally printed images. The films offer exceptional value for applications requiring enhanced colours and durability. Avery Dennison SignFlex™ DOL overlamine film has specially been developed to be used in combination with Printed SignFlex™ White serie.

Conversion

For processing tips and reference guides please refer to Technical Bulletins: 3.7 Avery Dennison SignFlex™ - Recommendations on converting and application.

Uses

Protective overlamine film can be used in combination with Avery Dennison SignFlex™ White printed with Latex, UV, solvent or Eco-solvent inks. The main application area is flexible substrates like tarpaulins.

Features

- » Premium quality, ultra-flexible, cast vinyl, gloss aspect to enhance the image colours
- » Protects against UV radiation and abrasion
- » Excellent conformability to tarpaulin substrates in combination with SignFlex™ White media
- » 5 years durability warranty when used together with printed SignFlex™ White

Note The durability of a printed image always depends on the toner/ink, film, type of overlamine, processing and exposure conditions. The film's surface can show alterations in matting due to contact pressure or other external influences. Please note that increased roller temperatures in combination with higher winding tension could lead to unwanted elongation of the film. Winding tension should therefore be carefully monitored and kept at an appropriate level.



Face

premium quality 30 micron clear cast vinyl, gloss finish



Adhesive

permanent, acrylic based



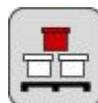
Backing paper

one side coated white kraft paper, 140 g/m²



Durability

5 years - Vertical exposure



Shelf life

2 years
stored at 22°C and 50-55% RH

PRODUCT CHARACTERISTICS

Physical Characteristics

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	30 micron
Caliper, facefilm + adhesive	ISO 534	60 micron
Gloss	ISO 2813, 20°	>60%
Dimensional stability	FTM 14	0.20 mm max.
Elongation at break	DIN 53445	<150 %
Adhesion, initial	FINAT FTM-1, stainless steel	200 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	300 N/m
Flammability		Self-extinguishing
Accelerated ageing	SAE J 1960, 2000h exposure	No negative impact on film performance

Temperature range

Application temperature	Minimum: + 10°C
Temperature range	-40°C to +60°C

Chemical resistance

Resistant to most petroleum based oils, greases and aliphatic solvents.

Resistant to mild acids, alkalis, salts.

Prolonged immersion in gasoline and similar fluids are not recommended.

1) Test methods: More information about our test methods can be found on our website.

2) Durability: 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.

Important notice Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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.

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