

PRODUCT DATA SHEET

Avery Dennison® SignFlex™ Avery Dennison® DOL

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Introduction

Avery Dennison® SignFlex™ DOL cast overlamine is premium quality, ultra-flexible films designed to be used as a 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.

Recommendations

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 Avery Dennison® SignFlex™ White media
- » 5 years durability warranty when used together with printed Avery Dennison® 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 Film

premium quality 30 micron clear cast vinyl, gloss finish



Adhesive

permanent, acrylic based



Backing

one side coated white kraft paper, 135 g/m²



Durability

5 years - Vertical exposure



Shelf Life

2 years - stored at 22°C and 50-55% RH

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	30
Caliper, facefilm + adhesive (micron)	ISO 534	60
Gloss (GU)	ISO 2813, 20°	>60
Dimensional stability (mm max.)	FINAT FTM 14	0,20
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Vertical exposure	5
Adhesive		
Elongation (%)	DIN 53455	> 150
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	200
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	300
Temperature range		
Application temperature (Minimum: °C)		+10
Service temperature (°C to +°C)	on Film + adhesive, check the Tarpaulin TDS	-40 to +90
Chemical properties		
Chemical resistance		Resistant to most petroleum based oils, greases and aliphatic solvents.
Solvent resistance	Mild acids, alkalis, salts	No effect
Solvent resistance	Applied to aluminium	Prolonged immersion in gasoline and similar fluids are not recommended

Important

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.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

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.

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