

PRODUCT DATA SHEET

Avery Dennison® SF 100 Ultra Clear

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Introduction

Avery Dennison SF 100 Ultra clear is a ultra transparent film featuring a printable polyester face. It is ideal for applications such as printed window graphics or decorative decals that require a removable ultra transparent film.

Conversion

Avery Dennison SF 100 Ultra Clear is developed for use on wide format inkjet printers using Latex or UV-curable inks.

To protect images against UV radiation, abrasion and scratches, it is recommended to protect Avery Dennison SF 100 Ultra Clear using an overlamine or varnish.

For recommended combinations of DOL films and media, please refer to "Technical Bulletin 5.3.

Recommended combinations and durability of Avery Dennison MPI/SP and Avery Dennison DOL/SL Series Films".



Face Film

51 micron gloss transparent polyester



Adhesive

Clear removable, acrylic based



Backing

Filmic liner, 178g/m2



Durability

2 years (unprinted, vertical exposure)

5 years (indoor)*



Shelf Life

2 years

Recommendations

- » Interior & exterior signs
- » Window decoration
- » Promotional and point of sale advertising
- » Trade show graphics

Features

- » Super clear film and adhesive
- » Superior high gloss appearance
- » Dimensionally stable liner for easy converting
- » Excellent printability and handling on selected printers
- » HP Latex Certified

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	51
Caliper, facefilm + adhesive (micron)	ISO 534	76
Dimensional stability (mm max.)	FINAT FTM 14	< 0.4 mm
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Vertical exposure	Outdoor 2
		*Indoor Up to 5 years (does not include applications exposed to direct sunlight through glass such as those near windows and doors)
Fire Classification Rating	EN13501-1	B-s1, d0
Adhesive		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	180
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	250
Removability		up to 1 year
Temperature range		
Application temperature (Minimum: °C)		≥10 °C
Service temperature (°C to +°C)		- 40 °C to + 80 °C
Chemical properties³		
Chemical resistance	Mild acids	No effect
Solvent resistance	Mild alkalis	No effect
Solvent resistance	Applied to aluminium	No effect exposed to: oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel.

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..

3) Prolonged immersion in gasoline and similar fluids is not recommended.

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