

PRODUCT DATA SHEET

Avery Dennison® DOL 4100 Ultra Clear Polyester

Issued: 12/2020

Introduction

Avery Dennison DOL 4100 Ultra Clear Polyester is a super gloss overlaminating film for special use on Avery Dennison perforated window films to guarantee optimal adhesion performance of the perforated window film.

Conversion

For processing tips and reference guides please refer to Technical Bulletins:

- » 5.3 Recommended combinations of Avery Dennison overlaminates and Avery Dennison Digital Print Media
- » 5.4 Processing tips for Avery Dennison DOL films

Recommendations

When laminating over printed images, the used inks/toners should be thoroughly dry and free of (silicone) additives that might reduce/prevent proper adhesion of the overlaminate.

Features

- » High clarity
- » High abrasion resistance
- » Excellent dimensional stability
- » Good resistance to chemicals and solvents
- » Excellent adhesion
- » Excellent resistance to automatic washing cycles



Face Film

Premium quality 36 micron super gloss transparent polyester



Adhesive

Permanent transparent, acrylic based



Backing

Transparent PET, 36 microns



Durability

3 years



Shelf Life

2 years

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	36
Caliper, facefilm + adhesive (micron)	ISO 534	60
Dimensional stability (mm max.)	FINAT FTM 14	0.5
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Vertical exposure	3
Fire Classification Rating	EN 13501-1	B-s1, d0
Adhesive		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	280
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	400
Temperature range		
Application temperature (Minimum: °C)		see TB 5.4
Service temperature (°C to +°C)		-40 - +80
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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