

PRODUCT DATA SHEET

Avery Dennison[®] DOL 4000 Ultra Clear

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Introduction

Avery Dennison DOL 4000 Ultra Clear Cast is a premium quality, flexible cast vinyl film designed for use as a protective overlaminating film for digitally printed images, especially for Perforated Window Films.

Avery Dennison DOL 4000 Ultra Clear Cast offers high transparency resulting in excellent see-through properties when used for Perforated Window films. The combination of PWF and DOL 4000 Ultra Clear Cast is suitable for most curved windows.

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



Face Film

Premium quality 50 micron highly transparent gloss cast vinyl



Adhesive

Permanent, acrylic based



Backing

75 micron, siliconized polyester



Durability

3 years



Shelf Life

2 years

Recommendations

Protective overlaminating film for digital printed images on flat or curved substrates. For indoor and outdoor use.

Do NOT use combination of Avery Dennison digital media and Avery Dennison DOL 4000 on corrugated or riveted surfaces.

Features

- » Premium quality, flexible, high gloss cast vinyl
- » Excellent properties when used in combination with PWF on curved windows
- » Highly transparent
- » Improves durability of image
- » Protects against UV radiation and abrasion

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	50
Caliper, facefilm + adhesive (micron)	ISO 534	80
Gloss (GU)	ISO 2813, 20°	70
Dimensional stability (mm max.)	FINAT FTM 14	0.2
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	525
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	700
Temperature range		
Application temperature (min °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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