

# PRODUCT DATA SHEET

## Avery Dennison<sup>®</sup> DOL 4400 UV

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### Introduction

Avery Dennison DOL 4400 UV is a premium quality, ultra flexible, high gloss laminate cast film designed for use as a protective overlaminating film for digitally printed images, especially on digital UV printed vinyl films.

Avery Dennison DOL 4400 UV has a perfect anchorage on the UV print itself because it follows the structure of the UV inks which minimizes the silvering effect. Additionally, the overlaminated graphic has a more uniform overall gloss level.

### 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

Protective overlaminating film for digital printed images for short, medium and longterm in- and outdoor advertising.

Avery Dennison DOL 4400 UV can be used in combination with specifically digitally UV printed Avery Dennison MPI media for application on flat or 2 dimensionally curved surfaces.

- » Vehicle graphics
- » Interior & exterior signs
- » Window decoration
- » Durable promotional and point of sale advertising

### Features

- » Premium quality, ultra flexible, high gloss cast vinyl
- » Enhances colours of image
- » Improves durability of image (up to 5 years)
- » Protects against UV radiation and abrasion



#### Face Film

Premium quality 30 micron high gloss clear cast vinyl



#### Adhesive

Permanent, acrylic based



#### Backing

White bleached kraft paper, 135 g/m2



#### Durability

5 years



#### Shelf Life

2 years

## Physical Characteristics

	Test method <sup>1</sup>	Results
<b>Product</b>		
Caliper, facefilm (micron)	ISO 534	30
Caliper, facefilm + adhesive (micron)	ISO 534	60
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 <sup>2</sup> (years)	Vertical exposure	5
Fire Classification Rating	EN 13501-1	B-s1, d0
<b>Adhesive</b>		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	400
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	600
<b>Temperature range</b>		
Application temperature (Minimum: °C)		see TB 5.4
Service temperature (°C to +°C)		-40 - +80
<b>Chemical properties<sup>3</sup></b>		
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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