

PRODUCT DATA SHEET



Avery® DOL 4400 UV

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Introduction

Avery 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 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.

Description

Face-film : premium quality 30 micron high gloss clear cast vinyl
Adhesive : permanent, acrylic based
Backingpaper : white bleached kraft paper, 135 g/m²

Conversion

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

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

Uses

Protective overlaminating film for digital printed images for short, medium and longterm in- and outdoor advertising. Avery DOL 4400 UV can be used in combination with specifically digitally UV printed Avery 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 4 years).
- Protects against UV radiation and abrasion.

Note

The durability of a printed image always depends on the toner/ink, film, used overlamine, processing and exposure conditions.



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PRODUCT CHARACTERISTICS

Avery® DOL 4400 UV

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	30 micron
Caliper, facefilm + adhesive	ISO 534	60 micron
Gloss	ISO 2813, 20°	70 %
Dimensional stability	DIN 38464	max. 0.2 mm
Adhesion, initial	(ASTM 1000), stainless steel	400 N/m
Adhesion, ultimate	(ASTM 1000), stainless steel	600 N/m
Shelf life	Stored at 23°C/50-55% RH	2 years
Durability laminate only	Vertical exposure	5 years

Temperature range

Features	Results
Lamination temperature	See Technical Bulletin 5.29
Service temperature	-40°C to +80°C

Chemical properties

Features	Test method ¹	Results
Chemical resistance		Resistant to most petroleum based oils, greases and aliphatic solvents. Resistant to mild acids, alkalis, salts.

Prolonged immersion in gasoline and similar fluids is not recommended.

Important

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. 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 these Conditions, the English version shall be controlling.

Warranty

Avery® branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or make any representation contrary to the foregoing. All Avery® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

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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