

PRODUCT DATA SHEET

Avery Dennison® DOL 6460

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Introduction

Avery Dennison DOL 6460 series is a premium quality, flexible film designed for use as a protective overlamine film for digitally printed images where sustainable PVC-free solution is required. DOL 6460 series offer exceptional high gloss, superior 3D conformability, and colour durability. DOL 6460 series are using polyester liner that creates smooth high gloss finish providing an overall paint like finish of printed graphics.

Description

Face-film : 38 micron high gloss polyurethane film, clear, flexible

Adhesive : permanent, acrylic based, clear

Backing paper : clear polyester liner, 70g/m²

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".

- "5.10 Application of Avery Dennison PVC-free Wrapping Film".

Uses

Protective overlamine film for digitally printed images for indoor and outdoor use where sustainable PVC-free solution is required. Avery Dennison DOL 6460 series overlaminates can be used in combination with Avery Dennison MPI 1405 EA RS, MPI 1105 series and MPI 1104 series media for application on corrugated or riveted surfaces for vehicle graphics and vehicle wrapping, outdoor architecture applications and all permanent applications requiring excellent conformability.

Features

- Superior conformability to irregular substrates
- Outstanding durability and outdoor performance, including excellent UV resistance
- Excellent dimensional stability
- Protecting printed graphics image against UV radiation and abrasion
- Enhances colour and depth of image with eye-catching high gloss finish



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Physical properties

Features	Test method¹	Results
Caliper, facefilm	ISO 534	38 micron
Caliper, facefilm + adhesive	ISO 534	50 micron
Gloss, typical values	ISO 2813, 20 ⁰	90 gloss units
Elongation, typical values	DIN 53455	150 %
Dimensional stability	FINAT FTM 14	0.4 mm max.
Adhesion, initial	FINAT FTM-1, stainless steel	200 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	600 N/m
Shelf life	Stored at 23 ⁰ C/50-55% RH	2 years
Durability film	Vertical exposure	8 years

Temperature range

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

Chemical properties

Features	Results
Chemical resistance	Resistant to most mild acids, alkalis and salt solutions.

Prolonged immersion in gasoline and similar fluids is not recommended.

NOTE: Materials have to be properly dried before further processing, for example laminating, varnishing or application. The residual solvents could change the products' specific features.

For good print and converting result we recommend to let the rolls acclimatize in the print/lamination room at least 24h. before printing or converting. Too much temperature or humidity deviation between material and room climate can cause layflatness and/or printability issues.

Generally, constant material storage conditions of ideally 20°C (+/-2°C) /50% RH (+/- 5%), without too big climate deviations, will support a more robust and stable printing/converting process. For further details, please refer to TB 1.11.

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

All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes.

All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>

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.