PRODUCT DATA SHEET

Avery Dennison® DOL 2000 Series

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Introduction

Avery Dennison DOL 2000 Series are polymeric plasticized, premium calendered laminates. Avery Dennison DOL 2000 Series have been specifically designed as a protective overlaminating film for digitally printed images.

Description

Face-film : 80 micron flexible, transparent, calendered vinyl
DOL 2460 Gloss Clear
DOL 2470 Lustre Clear
DOL 2480 Matt Clear

Adhesive : permanent clear pressure sensitive, 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 Dennison overlaminates and Avery Dennison Digital Print Media.
- 5.4 Processing tips for Avery Dennison DOL films.

Uses

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

Features

- Adds attractive uniform finish to a print.
- Protects against UV radiation and abrasion.
- Especially designed for inkjet printed images

Note

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

PRODUCT CHARACTERISTICS

Avery Dennison® DOL 2000 Series

Physical properties

Features	Test method[1]	Results
Caliper, facefilm	ISO 534	80 micron
Caliper, facefilm + adhesive	ISO 534	100 micron
Gloss		
DOL 2460 Gloss	ISO 2813, 85^0	70 %
DOL 2470 Lustre	ISO 2813, 85^0	25 %
DOL 2480 Matt	ISO 2813, 85°	75 %
Adhesion, initial	FINAT FTM-1, stainless steel	500 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	600 N/m
Shelf life	Stored at 23^0C/50-55% RH	2 years
Durability film	Vertical exposure	5 years[2]

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, for non-static applications (vehicles). Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of static signs facing south, west, or southwest, in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.