PRODUCT DATA SHEET

Avery® DOL 1800 Gloss

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Introduction
Avery DOL 1800 Gloss is a premium quality, flexible, high gloss cast vinyl film designed for use as a protective overlaminating film for digitally printed images, especially on vinyl films. Avery DOL 1800 Gloss offers exceptional value for applications requiring enhanced colours and durability.

Description

Face-film	:	premium quality 65 micron gloss clear cast vinyl
Adhesive	:	permanent, acrylic based
Backingpaper	:	white bleached kraft paper, 130 g/m^2

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 on flat or curved substrates. For indoor and outdoor use.
Do NOT use combination of Avery digital media and Avery DOL1800 on corrugated or riveted surfaces.

Features
- Premium quality, flexible, high gloss cast vinyl.
- Enhances colours of image.
- Improves durability of image.
- Protects against UV radiation and abrasion.

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

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Physical properties

Features	Test method[1]	Results
Caliper, facefilm	ISO 534	65 micron
Caliper, facefilm + adhesive	ISO 534	95 micron
Gloss	ISO 2813, 20^0	70 %
Dimensional stability	DIN 38464	max. 0.2 mm
Adhesion, initial	(ASTM 1000), stainless steel	525 N/m
Adhesion, ultimate	(ASTM 1000), stainless steel	700 N/m
Shelf life	Stored at 23^0C/50-55% RH	2 years
Durability, unprinted	Vertical exposure	7 years

Temperature range

Features	Results
Lamination temperature	See Technical Bulletin
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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