

PRODUCT DATA SHEET

Avery Dennison® DOL 4300 Anti Graffiti

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Introduction

Avery Dennison DOL 4300 Anti Graffiti is a high gloss overlaminating film that can be put on a wide range of (digitally) printed media.

Description

Film : 23 micron high gloss transparent polyester
Adhesive: permanent, acrylic based
Backing: one side coated bleached kraft paper, 140 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

When laminating over printed images, the used inks/toners should be thoroughly dry and free of (silicone) additives that might reduce/prevent proper adhesion of Avery Dennison DOL 4300. Avery Dennison DOL 4300 is an overlaminating film that protects durable images against permanent damage from graffiti, paints and UV light. Most commercially available graffiti removal fluids will allow the removal of graffiti without damaging Avery Dennison DOL 4300.

Features

- High clarity.
- Excellent adhesion.
- Allows easy removal of graffiti.
- Used on images created by screenprinting or digitally printed images.
- Good resistance to UV radiation and outdoor exposure conditions.
- High abrasion resistance.
- Excellent dimensional stability.
- Good resistance to chemicals and solvents.

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 4300 Anti Graffiti

Physical properties

Features

Caliper, facefilm
Dimensional stability
Adhesion, initial
Adhesion, ultimate

Test method¹

ISO 534
FINAT FTM 14
FINAT FTM-1, stainless steel
FINAT FTM-1, stainless steel

Results

23 micron
0,1 mm max.
500 N/m
600 N/m

Flammability

Shelf life

Durability ²

Stored at 230C/50-55% RH

Vertical exposure

Self-extinguishing

2 years

5 years

Temperature range

Features Results

Application temperature
Temperature:

See Technical Bulletin
- 50 °C to + 150 °C

Chemical properties

Features 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.

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

Avery Dennison® 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 Dennison® 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.