

PRODUCT DATA SHEET

Avery Dennison® DOL 5900 Series

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Introduction

Avery Dennison DOL 5900 is a transparent textured overlamine designed to protect promotional media on the indoor floor applications, ensuring robust full color graphics and excellent slip and wear resistance during its functional life. It is compatible with Avery Dennison MPI 3001 and MPI 3001 HOP.

Description

Film: 100 micron, transparent matt textured vinyl overlamination film.
Adhesive: Clear, permanent, acrylic based adhesive.
Backing: one side coated bleached kraft paper, 95 g/m2.

Conversion

For processing tips and reference guides please refer to 5.7 Technical Bulletin: Recommendations for conversion, application and use of Avery Dennison Floor Marking.

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 5900.

Uses

- Indoor retail floor advertising.
- Interior decoration for promotional purposes.
- Exhibition indoor floor graphics.

Features

- Overlamine film with matt textured surface for indoor floor graphics protection.
- Extended life span up to 6 months durability in combination with MPI 3001 and MPI 3001 HOP (for indoor use).
- Excellent slip and wear resistance, certified according to DIN norm.
- Fire classification rating available.
- Film with good adhesion properties and easy to handle.
- Slip Resistance Classification R9 according to DIN 51130:2014.

Note

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

PRODUCT CHARACTERISTICS

Avery Dennison® DOL 5900 Series

Physical properties

| Features | Test method ¹ | Results |
|------------------------------|-------------------------------|-------------|
| Caliper, facefilm | ISO 534 | 100 micron |
| Caliper, facefilm + adhesive | ISO 534 | 135 micron |
| Dimensional stability | FINAT FTM 14 | 0.4 mm max. |
| Adhesion, initial | FINAT FTM-1, stainless steel | 520 N/m |
| Adhesion, ultimate | FINAT FTM-1, stainless steel | 680 N/m |
| Shelf life | Stored at 23°C/50-55% RH | 2 years |
| Durability | Applied on indoor floors ONLY | 6 months |

Temperature range

| Features | Results |
|-------------------------|----------------|
| Application temperature | +20°C to +30°C |
| Service temperature | 0°C to +40°C |

Chemical properties

Short term exposure to water, cleaning agents, IPA (Isopropylalcohol), diluted acetic acid, salt spray when used on INDOOR floors, will not damage the surface.

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.



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