

PRODUCT DATA SHEET

Avery Dennison® MPI™ 3000/3020 Series

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Introduction

Avery Dennison Multi Purpose Inkjet 3000 series films are gloss white, self-adhesive monomeric calendered vinyls, offering a choice between permanent and removable adhesives.

Description

Film: MPI 3000/3001 95 micron white gloss PVC film.
MPI 3020/3021 95 micron white matt PVC film.

Adhesive: MPI 3000/3020 Permanent, clear acrylic based.
MPI 3001/3021 Removable, clear acrylic based.

Backing: Clay coated kraft paper, 125 g/m2.

Conversion

MPI 3000 series films are multi-purpose vinyls, suitable for a variety of wide format inkjet printers using hard solvent, eco/mild solvent, UV-curing or latex inks.

To enhance colour and to protect images against UV radiation and abrasion, it is recommended to protect Avery Dennison MPI 3000 series films using an overlamine or varnish.

For recommended combinations of DOL films and media, please refer to "Technical Bulletin 5.3. Recommended combinations of Avery Dennison® Overlaminates and Avery Dennison® Digital Print Media".

Uses

- Interior & exterior signs.
- Temporary promotional and point of sale advertising and all applications to flat or regular surfaces.
- Indoor floor marking applications* (MPI 3001)

Features

- Excellent printability and handling on selected printers.
- Easy cutting and application on a wide variety of substrates.
- Excellent price/performance ratio for outdoor promotional graphics.

* in combination with our DOL 5900 structured overlamine.



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Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	95 micron
Dimensional stability	FINAT FTM 14	0.3 mm max.
<u>MPI 3000</u>		
Adhesion, initial	FINAT FTM-1, stainless steel	510 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	875 N/m
<u>MPI 3001</u>		
Adhesion, initial	FINAT FTM-1, stainless steel	310 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	465 N/m
<u>MPI 3020</u>		
Adhesion, initial	FINAT FTM-1, stainless steel	480 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	750 N/m
<u>MPI 3021</u>		
Adhesion, initial	FINAT FTM-1, stainless steel	320 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	440 N/m
Flammability		self-extinguishing
Shelf life	Stored at 23°C/50-55% RH	2 years
Durability	Vertical exposure	3 years

Temperature range

Features	Test method ¹	Results
Min. application temperature		≥+10°C
Service temperature		-45°C to +80°

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 22°C/50-55 % RH, 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.