

PRODUCT DATA SHEET

Avery Dennison® MPI™ 3000/3020 Opaque Series

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Introduction

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

Description

Film:	MPI 3002/3003 Opaque	95 micron white gloss PVC film.
	MPI 3022/3023 Opaque	95 micron white matt PVC film.
Adhesive:	MPI 3002/3003 Opaque	Permanent, grey acrylic based.
	MPI 3022/3023 Opaque	Removable, grey 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.

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.

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.



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Physical properties

Features	Test method¹	Results
Caliper, facefilm	ISO 534	95 micron
Dimensional stability	FINAT FTM 14	0.3 mm max.
MPI 3002/3003 Opaque		
Adhesion, initial	FINAT FTM-1, stainless steel	140 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	240 N/m
MPI 3022/3023 Opaque		
Adhesion, initial	FINAT FTM-1, stainless steel	400 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	680 N/m
Flammability		self-extinguishing
Shelf life	Stored at 23 ⁰ C/50-55% RH	2 years
Durability	Vertical exposure	3 years

Temperature range

Features	Test method¹	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.