

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.

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".

Recommendations

- » 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.



Face 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.



Durability

3 years



Shelf Life

2 years

Physical Characteristics

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	95 micron
Dimensional stability	FINAT FTM 14	0.3 mm max.
Shelf life	Stored at 23°C/50-55% RH	2 years
Durability	Unprinted, vertical exposure	3 years
Flammability	EN 13501-1	B-s1,d0

Adhesive

Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	MPI 3000: 510 MPI 3001: 140 MPI 3020: 480 MPI 3021: 140
Adhesion, ultimate (N/m)	FINAT FTM-1, stainless steel	MPI 3000: 875 MPI 3001: 250 MPI 3020: 750 MPI 3021: 250

Temperature range

Application temperature (Minimum: °C)	+10°C
Service temperature (°C to °C)	-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 and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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 this document, the English version shall be prevailing and leading.

1) Test methods: More information about our test methods can be found on our website.

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