

PRODUCT DATA SHEET

Avery Dennison® MPI™ 3020 Series

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Introduction

Avery Dennison Multi Purpose Inkjet 3020 series films are matt white, self-adhesive monomeric calendered vinyls, offering a choice between permanent and removable adhesives, also available with grey block-out coating for over posting needs.

Description

Film	: MPI 3020 series	95 micron matt white monomeric calendered vinyl
Adhesive	: MPI 3020 MPI 3021 MPI 3022 MPI 3023	Permanent, clear, acrylic based Removable, clear, acrylic based Removable, grey, acrylic based Permanent, grey, acrylic based
Backing paper	: MPI 3020 series	Clay coated kraft paper, 125 g/m2

Conversion

MPI 3020 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 3020 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.
- Window decoration.
- 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.
- Excellent opacity thanks to grey block-out coating



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PRODUCT CHARACTERISTICS

Avery Dennison® MPI™ 3020 series

Physical properties

Features	Test method ¹	Results
Caliper, facefilm Dimensional stability	ISO 534 FINAT FTM 14	95 micron 0.3 mm max.
MPI 3023/3022 Opacity	ISO 2471	> 99 %
MPI 3020/3023 Adhesion, initial Adhesion, ultimate	FINAT FTM-1, stainless steel FINAT FTM-1, stainless steel	480 N/m 750 N/m
MPI 3021/3022 Adhesion, initial Adhesion, ultimate Removability	FINAT FTM-1, stainless steel FINAT FTM-1, stainless steel <i>Clean removability up to 1 year; Not when applied to : Nitrocellulose paints, ABS, polystyrene, (too) fresh paints and certain types of PVC.</i>	320 N/m 440 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability, unprinted	Vertical exposure	2 years

Temperature range

Features	Results
Minimum application temperature:	≥ 10° C
Temperature range:	- 40 to +100 °C

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 24 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 authorized 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.



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