

PRODUCT DATA SHEET

Avery Dennison® MPI™ 2800 Series

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Introduction

Avery Dennison Multi Purpose Inkjet 2800 series films are gloss white, self-adhesive calendered vinyls, offering a choice between permanent and removable adhesives. With MPI 2804 Easy Apply and its air egress technology entrapped air can easily be rubbed out without the need to punch the vinyl film. The easy-to-apply feature offers the benefits of faster application of decals and graphics.

Avery Dennison MPI 2800 series is highly recommended for a wide range of applications on flat and slightly curved substrates, with great price/performance ratio for short or medium term applications.

Conversion

MPI 2800 series films are multi-purpose vinyls, suitable for a variety of wide format inkjet printers using hardsolvent, 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 2800 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”.

Do NOT use wet application methods for Avery Dennison Easy Apply products.

Recommendations

- » Large fleet graphics on flat or slightly curved surfaces
- » Architectural interior & exterior signs
- » Overposting existing graphic applications
- » Temporary promotional and point of sale advertising

Features

- » Excellent price/performance ratio for outdoor promotional graphics
- » Great print results and handling on selected printers
- » Easy Apply allows easy removal of entrapped air
- » High gloss or matt finishes*
- » Outdoor durability, up to 7 years unprinted
- » ICS Performance Guarantee



Face Film

- » **MPI 2800/2801** 80 micron gloss white calendered vinyl
- » **MPI 2804 EA** 90 micron gloss white calendered vinyl



Adhesive

- » **MPI 2800** Permanent, clear, acrylic based
- » **MPI 2801** Removable, clear, acrylic based
- » **MPI 2804 EA** Permanent, grey acrylic based



Backing

- » **MPI 2800/2801** Clay coated kraft paper, 126 g/m2
- » **MPI 2804 EA** Staflat liner, 145 g/m2



Durability

- » 7 years



Shelf Life

- » **MPI 2800/2801** 2 years
- » **MPI 2804 EA** 1 year

Physical Characteristics

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	MPI 2800/ 2801: 80 micron MPI 2804 EA: 90 micron
Caliper, facefilm + adhesive	ISO 534	MPI 2800/ 2801: 100 micron MPI 2804 EA: 115 micron
Dimensional stability	FINAT FTM 14	MPI 2800/ 2801: 0.3 mm max MPI 2804 EA: 0.6 mm max
Shelf life	Stored at 22° C/50-55 % RH	MPI 2800/ 2801: 2 years MPI 2804 EA: 1 year
Durability, unprinted	Vertical exposure	up to 7 years
Flammability	EN 13501	B-s1, d0
Adhesion		
initial	FINAT FTM-1, stainless steel	MPI 2800: 350 N/m MPI 2801: 200 N/m MPI 2804 EA: 500 N/m
ultimate	FINAT FTM-1, stainless steel	MPI 2800: 550 N/m MPI 2801: 250 N/m MPI 2804 EA: 700 N/m

Temperature range

Features	Results
Minimum application temperature:	+ 10 °C
Service temperature:	- 20 °C to + 80 °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 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 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.

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