

# 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, also available with grey adhesive system for overposting needs. 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.

### Description

Film	: <b>MPI 2800/2801</b> <b>MPI 2802/2803/2804 EA</b>	80 micron gloss white calendered vinyl 75 micron gloss white calendered vinyl
Adhesive	: <b>MPI 2800</b> <b>MPI 2801</b> <b>MPI 2802</b> <b>MPI 2803</b> <b>MPI 2804 EA</b>	Permanent, clear, acrylic based Removable, clear, acrylic based Removable, dark grey, acrylic based Permanent, dark grey, acrylic based Permanent, dark grey acrylic based
Backing paper	: <b>MPI 2800/2801/2802/2803</b> <b>MPI 2804 EA</b>	Clay coated kraft paper, 126 g/m2 Staflat liner, 146 g/m2

### Conversion

MPI 2800 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 2800 series films using an overlaminate 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.

### Uses

- Large fleet graphics on flat or slightly curved surfaces
- Architectural interior & exterior signs
- Overposting existing graphic applications
- Temporary promotional and point of sales 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\*
- High opacity for overposting needs
- Outdoor durability, up to 7 years unprinted
- ICS Performance Guarantee

\*When using DOL 2800 Gloss or DOL 2900 Matt

## PRODUCT CHARACTERISTICS

## Avery Dennison® MPI™ 2800 Series

### Physical properties

Features	Test method <sup>1</sup>	Results	
Caliper, facefilm			
MPI 2800/ 2801	ISO 534	80 micron	
MPI 2802/ 2803/2804 EA	ISO 534	75 micron	
Caliper, facefilm + adhesive			
MPI 2800/2801	ISO 534	100 micron	
MPI 2802/2803/2804 EA	ISO 534	95 micron	
Dimensional stability			
MPI 2800/2801/2802/2803	FINAT FTM 14	0.3 mm max	
MPI 2804 EA	FINAT FTM 14	0.6 mm max	
Adhesion			
MPI 2800	initial	FINAT FTM-1, stainless steel	350 N/m
	ultimate	FINAT FTM-1, stainless steel	550N/m
MPI 2801	initial	FINAT FTM-1, stainless steel	200 N/m
	ultimate	FINAT FTM-1, stainless steel	250 N/m
MPI 2802	initial	FINAT FTM-1, stainless steel	320 N/m
	ultimate	FINAT FTM-1, stainless steel	500 N/m
MPI 2803	initial	FINAT FTM-1, stainless steel	480 N/m
	ultimate	FINAT FTM-1, stainless steel	720 N/m
MPI 2804 EA	initial	FINAT FTM-1, stainless steel	650 N/m
	ultimate	FINAT FTM-1, stainless steel	800 N/m
Flammability		Self-extinguishing	
Shelf life			
MPI 2800/2801/2802/2803	Stored at 22° C/50-55 % RH	2 years	
MPI 2804 EA	Stored at 22° C/50-55 % RH	1 year	
Durability, unprinted	Vertical exposure	up to 7 years	

### Temperature range

Features	Results
Minimum application temperature:	+ 10 °C
Service temperature:	- 40 °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 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 authorised 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.