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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 polymeric calendered vinyls, offering a choice between permanent and removable adhesives, also available with grey barrier coat 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	: **MPI 2800/2801/2802/2803**	80 micron gloss white polymeric calendered vinyl
	MPI 2804 EA	75 micron gloss white polymeric calendered vinyl
Adhesive	: **MPI 2800**	Permanent, clear, acrylic based
	MPI 2801	Removable, clear, acrylic based
	MPI 2802	Removable, grey, acrylic based
	MPI 2803	Permanent, grey, acrylic based
	MPI 2804 EA	Permanent, grey acrylic based
Backing paper	: **MPI 2800/2801/2802/2803**	Clay coated kraft paper, 126 g/m2
	MPI 2804 EA	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

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PRODUCT CHARACTERISTICS — Avery Dennison® MPI™ 2800 Series

Physical properties

Features		Test method[1]	Results
Caliper, facefilm			
MPI 2801/2802/2803		ISO 534	80 micron
MPI 2804 EA		ISO 534	75 micron
Caliper, facefilm + adhesive		ISO 534	100 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 2800/2803	initial	FINAT FTM-1, stainless steel	350 N/m
	ultimate	FINAT FTM-1, stainless steel	550N/m
MPI 2801/2802	initial	FINAT FTM-1, stainless steel	200 N/m
	ultimate	FINAT FTM-1, stainless steel	250 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 + 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 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.

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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