

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 dark 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	: MPI 2800/2801/2802/2803 MPI 2804 EA	80 micron gloss white polymeric calendered vinyl 75 micron gloss white polymeric calendered vinyl
Adhesive	: MPI 2800 MPI 2801 MPI 2802 MPI 2803 MPI 2804 EA	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	: MPI 2800/2801/2802/2803 MPI 2804 EA	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

Caliper, facefilm

MPI 2801/2802/2803

MPI 2804 EA

Test method¹

ISO 534

ISO 534

Results

80 micron

75 micron

Caliper, facefilm + adhesive

Dimensional stability

MPI 2800/2801/2802/2803

MPI 2804 EA

ISO 534

FINAT FTM 14

FINAT FTM 14

100 micron

0.3 mm max

0.6 mm max

Adhesion

MPI 2800/2803

initial

ultimate

MPI 2801/2802

initial

ultimate

MPI 2804 EA

initial

ultimate

FINAT FTM-1, stainless steel

FINAT FTM-1, stainless steel

FINAT FTM-1, stainless steel

FINAT FTM-1, stainless steel

FINAT FTM-1, stainless steel

FINAT FTM-1, stainless steel

350 N/m

550N/m

200 N/m

250 N/m

650 N/m

800 N/m

Flammability

Self-extinguishing

Shelf life

MPI 2800/2801/2802/2803

MPI 2804 EA

Stored at 22° C/50-55 % RH

Stored at 22° C/50-55 % RH

2 years

1 year

Durability, unprinted

Vertical exposure

up to 7 years

Temperature range

Features

Minimum application temperature:

Service temperature:

Results

+ 10 °C

- 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.

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.