

PRODUCT DATA SHEET

Avery Dennison[®] MPI 2800 and MPI 2801 High Opacity series

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Introduction

Avery Dennison MPI 2800 High Opacity series-MPI 2800 High Opacity and MPI 2801 High Opacity - are gloss white polymeric self-adhesive vinyls with high opacity film properties and choice of permanent and removable clear adhesives. Because of film's high opacity properties and clear adhesive, Avery Dennison

MPI 2800 HOP series are allowing to cover a full range of flat and slightly curved medium term regular and over posting applications and significantly reducing customer stock inventory (without the need to hold both clear and grey adhesive stock).

Conversion

Avery Dennison MPI 2800 and MPI 2801 High Opacity series are multi-purpose vinyls, developed for use on various wide format printer platforms using solvent-, eco/mild solvent-, UV curable and latex inks. To enhance colour and protect images against UV radiation and abrasion, Avery Dennison MPI 2800 and MPI 2801 High Opacity series are recommended to be overlaminated with Avery Dennison DOL 2800 series.



Face Film

- » **MPI 2800/2801 HOP** 80 micron gloss white polymeric calendered vinyl with high opacity properties



Adhesive

- » **MPI 2800 HOP** Permanent, clear acrylic based
- » **MPI 2801 HOP** Removable, clear acrylic based



Backing

- » **MPI 2800/2801 HOP** Clay coated kraft paper, 125 g/m²



Durability

7 years



Shelf Life

2 years

Recommendations

- » Large fleet graphics on flat or slightly curved surfaces
- » Architectural interior & exterior signs
- » Overposting applications on flat and slightly curved substrates
- » Temporary promotional and point of sales advertising where superior hiding power is needed
- » Window decoration (excluding block-out applications)

Features

- » Excellent price/performance ratio for outdoor promotional graphics
- » Excellent printability and handling on a wide range of printer platforms
- » High Opacity film allowing to achieve outstanding full colour graphics
- » High Opacity film properties for superior hiding power and over-posting applications
- » Clear adhesive enables reducing customer stock inventory covering both standard and over-posting applications

Physical Characteristics

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	80 micron
Caliper, facefilm + adhesive	ISO 534	100 micron
Dimensional stability	FINAT FTM 14	0.3 mm max.
Shelf life	Stored at 22 °C/50-55 % RH	2 years
Durability, unprinted	Vertical exposure	7 years
Flammability	EN 13501	B-s1,d0
Opacity		>99% *

* Not a blockout film

Adhesion

Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	MPI 2800 HOP: 350 MPI 2801 HOP: 200
Adhesion, ultimate	FINAT FTM-1, stainless steel	MPI 2800 HOP: 750 MPI 2801 HOP: 250

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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