

PRODUCT DATA SHEET

Avery Dennison[®] MPI 2040[™] Transparent

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Introduction

Avery Dennison MPI 2040 is a glossy, transparent, polymeric calendered self-adhesive vinyl, recommended for use on flat or slightly curved surfaces.

Conversion

Avery Dennison MPI 2040 is a multi-purpose vinyl, developed for use on various super wide format printers using solvent-, eco/mild solvent-, UV curable and latex inks.

To enhance colour and protect images against UV radiation and abrasion, Avery Dennison MPI 2040 Transparent is recommended to be protected 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”](#).



Face Film

75 micron gloss transparent calendered vinyl



Adhesive

Clear permanent acrylic



Backing

Polyethylene coated kraft paper, 140g/m²



Durability

7 years



Shelf Life

2 years

Recommendations

- » Vehicle graphics (flat and slightly curved surfaces)
- » Interior & exterior signs
- » Window decoration
- » Promotional and point of sale advertising

Features

- » High transparency
- » Excellent printability and handling on selected printers
- » Excellent durability and outdoor performance
- » High gloss appearance

Physical Characteristics

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	75 micron
Caliper, facefilm + adhesive	ISO 534	100 micron
Dimensional stability	FINAT FTM 14	0.4 mm max
Elongation	DIN 53455	>100 %
Adhesion, initial	FINAT FTM-1, stainless steel	525 N/m
Adhesion, ultimated	FINAT FTM-1, stainless steel	750 N/m
Flammability		Self-extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability, unprinted	Vertical exposure	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 24 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.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

1) Test methods: More information about our test methods can be found on our website.

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