

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.

Description

Film : 80 micron gloss transparent calendered vinyl

Adhesive : clear permanent acrylic

Backing paper : two sides polyethylene coated kraft paper, 140g/m²

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](#)".

Uses

- 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.



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PRODUCT CHARACTERISTICS

Avery Dennison® MPI™ 2040 Transparent

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	80 micron
Caliper, facefilm + adhesive	ISO 534	110 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, ultimate	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 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.



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