

PRODUCT DATA SHEET

Avery Dennison® MPI™ 2000

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Introduction

Avery Dennison MPI 2000 is a gloss white polymeric self-adhesive vinyl, highly recommended for a wide range of applications on flat and slightly curved substrates.

Description

Film : 80 micron glossy white polymeric vinyl
Adhesive : permanent, acrylic based
Backingpaper : two sides polyethylene coated kraft paper, 140 g/m²

Conversion

Avery Dennison MPI 2000 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 2000 is recommended to be overlaminated with Avery Dennison DOL 2000 series.

Uses

- Vehicle graphics (flat and slightly curved surfaces).
- Interior & exterior signs.
- Window decoration.

Features

- Excellent printability and handling on selected printers.
- Excellent durability and outdoor performance.
- Excellent dimensional stability.

PRODUCT CHARACTERISTICS

Avery Dennison® MPI™ 2000

Physical properties

| Features | Test method ¹ | Results |
|------------------------------|------------------------------|--------------------|
| Caliper, facefilm | ISO 534 | 80 micron |
| Caliper, facefilm + adhesive | ISO 534 | 120 micron |
| Dimensional stability | FINAT FTM 14 | 0.3 mm max |
| Adhesion, initial | FINAT FTM-1, stainless steel | 540 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 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.