

## PRODUCT DATA SHEET

# Avery Dennison® MPI™ 2003

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### Introduction

Avery Dennison Multi-Purpose Inkjet 2003 is a gloss white polymeric self-adhesive vinyl, recommended for use on flat or slightly curved surfaces.

### Description

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

### Conversion

Avery Dennison MPI 2003 is a multi-purpose vinyl, developed for use on various super wide format printers using solvent, eco-/ mild-solvent, latex and UV curable inks.

To enhance colour and protect images against UV radiation and abrasion, Avery Dennison MPI 2003 is recommended to be overlaminated with Avery Dennison DOL 2000 series laminate.

Please refer to Avery Dennison Technical Bulletin on lamination and conversion prior to use.

### Uses

- Vehicle or fleet graphics (flat and slightly curved).
- Interior & exterior signs.
- Window decoration.
- Durable promotional and point of sale advertising.

### Features

- Excellent printability and handling.
- Excellent durability and outdoor performance.
- Excellent dimensional stability.
- High opacity to hide substrate colour differences.

**Physical properties**

<b>Features</b>	<b>Test method<sup>1</sup></b>	<b>Results</b>
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	500 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	600 N/m
Flammability		Self-extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability, unprinted	Vertical exposure	7 years

**Temperature range**

<b>Features</b>	<b>Results</b>
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.