

# 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 gloss white polymeric calendered vinyl.  
Adhesive: Permanent, grey acrylic based.  
Backing: 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

- Large fleet graphics on flat or slightly curved surfaces
- Architectural interior & exterior signs
- Durable promotional and point of sale advertising.
- Window decoration (excluding block out applications)

### Features

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



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**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	540 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	750 N/m
Flammability		Self-extinguishing
Shelf life	Stored at 23 <sup>0</sup> C/50-55% RH	2 years
Durability <sup>2</sup>	Vertical exposure	7 years

**Temperature range**

<b>Features</b>	<b>Results</b>
Application temperature:	≥ 10 °C
Service temperature:	-40°C to +80°

**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**

All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>

**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, for non-static applications (vehicles). Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of static signs facing south, west, or southwest, in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.