

## PRODUCT DATA SHEET



# Avery® MPI™ 2003

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### Introduction

Avery Multi-Purpose Inkjet vinyl 2003 is a gloss white polymeric self-adhesive vinyl. It is suitable for use on a variety of super wide format inkjet and airbrush printers using solvent ink.

Because of the film's easy positionable adhesive and excellent dimensional stability during use, Avery MPI 2003 is highly recommended for a wide range of applications on flat substrates.

### Description

Film : 80 micron gloss white polymeric vinyl  
Adhesive : positionable permanent, grey acrylic based  
Backingpaper : two sides polyethylene coated kraft paper, 140 g/m<sup>2</sup>

### Conversion

Avery MPI 2003 is a multi-purpose vinyl, developed for use on various super wide format printers using solvent inks.

Avery **MPI-A 2003** rolls are reverse wound on a special core with 4 notches.

In Avery Technical Bulletin 5.15, printer compatibility details of Avery MPI media are listed.

To enhance colour and protect images against UV radiation and abrasion, Avery MPI 2003 is recommended to be overlaminated with Avery® DOL 2000 Gloss or Avery® DOL 2100 Lustre.

For an overview of recommended combinations of DOL films and media, please refer to "Technical Bulletin 5.3. Recommended combinations of Avery® Overlaminates and Avery® Digital Print Media".

### Uses

- All permanent applications to flat or regular surfaces.
- Vehicle graphics (flat surfaces only !).
- Interior & exterior signs.
- Window decoration.
- Durable promotional and point of sale advertising.

### Features

- Easy application a result of the used positionable adhesive.
- Excellent printability and handling on selected printers.
- Excellent durability and outdoor performance.
- Excellent dimensional stability.
- Full opacity.



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## PRODUCT CHARACTERISTICS

Avery® MPI™ 2003

### Physical properties

| Features                     | Test method <sup>1</sup>     | Results                                |
|------------------------------|------------------------------|--|
| Caliper, facefilm            | ISO 534                      | 80 micron                              |
| Caliper, facefilm + adhesive | ISO 534                      | 120 micron                             |
| Dimensional stability        | DIN 30646                    | 0,3 mm max.                            |
| Adhesion, initial            | FINAT FTM-1, stainless steel | 500 N/m                                |
| Adhesion, ultimate           | FINAT FTM-1, stainless steel | 600 N/m                                |
| Accelerated ageing           | DIN 53387                    | No negative impact on film performance |
| Flammability                 | 100 hours exposure           | Self-extinguishing                     |
| Shelf life                   | Stored at 22 °C/50-55 % RH   | 2 years                                |
| Durability, unprinted        | Vertical exposure            | 5 years                                |

### Temperature range

| Features                         | Results            |
|----------------------------------|--------------------|
| Minimum application temperature: | +10 °C             |
| Service temperature:             | - 40 °C to + 80 °C |

#### 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® 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® 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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