

# PRODUCT DATA SHEET

## Avery Dennison<sup>®</sup> MPI<sup>™</sup> 3023 and MPI 3022 Opaque Series

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### Introduction

Avery Dennison Multi Purpose Inkjet MPI 3023 and MPI 3022 Opaque series films are matt white, self-adhesive monomeric calendered vinyls, offering a choice between grey permanent and removable adhesives for overposting needs.

### Conversion

MPI 3023 and MPI 3022 Opaque series films are multi-purpose vinyls, suitable for a variety of wide format inkjet printers using hard solvent, eco/mild solvent, UV-curing or latex inks.

To enhance colour and to protect images against UV radiation and abrasion, it is recommended to protect Avery Dennison MPI 3023/3022 Opaque series films using an overlamine.

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".

### Recommendations

- » Interior & exterior signs, where overposting may be required
- » Temporary promotional and point of sale advertising and all applications to flat or regular surfaces where additional opacity may be required

### Features

- » Excellent printability and handling on selected printers
- » Easy cutting and application on a wide variety of substrates
- » Excellent price/performance ratio for outdoor promotional graphics
- » Excellent opacity by using grey adhesive system for overposting needs



#### Face Film

95 micron matt white monomeric calendered vinyl



#### Adhesive

MPI 3022 Removable, grey, acrylic based

MPI 3023 Permanent, grey, acrylic based



#### Backing

Clay coated kraft paper, 125 g/m<sup>2</sup>



#### Durability

3 years



#### Shelf Life

2 years

## Physical Characteristics

	Test method <sup>1</sup>	Results
<b>Product</b>		
Caliper, facefilm (micron)	ISO 534	95
Caliper, facefilm + adhesive (micron)	ISO 534	115
Opacity (min %)	ISO 2471	99
Dimensional stability (mm max.)	FINAT FTM 14	0.8
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability <sup>2</sup> (years)	Vertical exposure	3
Fire Classification Rating	EN 13501-1	B-s1, d0
<b>Adhesive</b>		
MPI 3022 Opaque		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	180
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	280
MPI 3023 Opaque		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	400
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	640
<b>Temperature range</b>		
Application temperature (min °C)		10
Service temperature (°C to +°C)		-40 - +80
<b>Chemical properties<sup>3</sup></b>		
Chemical resistance	Mild acids	No effect
Solvent resistance	Mild alkalis	No effect
Solvent resistance	Applied to aluminium	No effect exposed to: oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel.

## Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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 this document, the English version shall be prevailing and leading.

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.

3) Prolonged immersion in gasoline and similar fluids is not recommended.

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