

## PRODUCT DATA SHEET



### Avery MPI 7000 Perforated Window Film Series

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#### Introduction

Avery MPI 7000 Perforated Window Film series consists of perforated, calandered films with a black backside for use on transparent substrates (i.e. glass). After printing this film allows the full graphic to be seen on one side but still allows viewing through the window from the other side.

#### Description

Film **MPI 7101 PWF** 180 micron gloss white calandered vinyl, 2.0mm perforation, 50% open area  
**MPI 7201 PWF** 180 micron gloss white calandered vinyl, 1.5mm perforation, 50% open area  
**MPI 7301 PWF** 140 micron gloss white calandered vinyl, 1.5mm perforation, 40% open area  
**MPI 7401 PWF** 100 micron gloss white calandered vinyl, 1.5mm perforation, 30% open area

Adhesive Removable, acrylic based

Backing **MPI 7101 PWF** Perforated siliconized paper laminated on stable paper liner  
**MPI 7201 PWF** Perforated siliconized paper laminated on stable paper liner  
**MPI 7301 PWF** Perforated siliconized paper laminated on stable paper liner  
**MPI 7401 PWF** White PET liner

#### Features

- Superb lay flatness and machine handling on paper liner
- Full image preview upon printing with paper liner product before application
- Excellent printability
- High dimensional stability
- High adhesion level on glass substrates
- Excellent outdoor durability

#### Conversion

Avery Perforated Window Films are suitable for use on a variety of super-wide format inkjet printers using solvent, eco-/mild solvent, latex or UV-curable ink.

To enhance colour and protect the image against UV radiation and abrasion, Avery MPI 7000 PWF series is recommended to be overlaminated with Avery DOL 4000 or DOL 4100.

Avery DOL 4100 is only recommended for 100% flat windows. Avery DOL 4000 can be used for either flat or slightly curved windows.

Please consult Avery Technical Bulletin 5.12 for detailed information on conversion techniques.

#### Recommendations for use

- All types of 1-way vision graphics on buildings glass panels, glass doors
- Continuous, uninterrupted vehicle graphics covering painted and window areas
- Colorfull graphics on windows that still provide sufficient interior daylight
- MPI 7101 PWF especially designed for large size graphics on buildings

## PRODUCT CHARACTERISTICS

Avery® MPI™ 7000 PWF series

### Physical properties

Features	Test method <sup>1</sup>	Results
Caliper, facefilm	MPI 7101 PWF MPI 7201 PWF MPI 7301 PWF MPI 7401 PWF	ISO 543 ISO 543 ISO 543 ISO 543
Dimensional stability	DIN 30646	180 micron 180 micron 140 micron 100 micron 0,5 mm max.
Removability		up to 1 year**
<b>**Not</b> when applied to: Nitrocellulose paints, ABS, Polystyrene, screenprinting inks (fresh), certain types of PVC, Polycarbonate or PMMA.		
Shelf life	Stored at 22° C/50-55 % RH	1 year
Durability <sup>2</sup>	MPI 7101 PWF MPI 7201 PWF MPI 7301 PWF MPI 7401 PWF	Vertical exposure Vertical exposure Vertical exposure Vertical exposure
		3 years 3 years 2 years 1 year

### Temperature range

Features	Results
Minimum application temperature:	+ 10° C
Temperature range:	- 20° to +70° C

### Chemical properties

If not overlaminated, Avery Perforated Window Film is resistant to water, humidity, solvents, most mild acids, alkalies and salt. Due to the open structure of the film, exposure should be limited to an absolute minimum. Overlaminated Avery Perforated Window Film has the same resistance to chemical substances as the overlaminated film.

Avery Perforated WindowFilm is also resistant to most commonly used cleaning detergents, provided that thorough rinsing is following the recommended exposure to the cleaning detergents.

**NOTE:** Materials have to be properly dried before further processing, like laminating, varnishing or application. The residual solvents can otherwise change the products' specific features.

#### 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, unprinted

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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