

## PRODUCT DATA SHEET



### Avery MPI-6551 Perforated Window Film

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#### Introduction

Avery MPI-6551 Perforated Window Film is a perforated, calendered film 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

Facefilm : 150 micron, polymeric plasticised black white, perforated vinyl  
Adhesive : removable, acrylic based  
Backing : stable perforated paper liner for easy conversion and extra non-perforated PET liner.

#### Features

- 1.5 mm holes for superior 1 way vision : 50 % open area
- Excellent outdoor durability.
- High dimensional stability.
- Excellent printability.
- High adhesion level on glass substrates.

#### Conversion

Avery Perforated Window Film can be digitally printed on a variety of digital printers using solvent inks. Avery **MPI-A 6551 PWF** 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 the image against UV radiation and abrasion, Avery MPI-6551 PWF 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 vehicles, buildings glass panels, glass doors.
- Continuous, uninterrupted vehicle graphics covering painted and window areas.
- Large size graphics on building windows that still provide sufficient interior daylight.



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## PRODUCT CHARACTERISTICS

## Avery MPI-6551 PWF

### Physical properties

Features	Test method <sup>1</sup>	Results
Caliper, facefilm	ISO 534	150 micron
Dimensional stability	DIN 30646	0,5 mm max.
Adhesion, ultimate, perforated	FINAT FTM-1, glass	120 N/m
Adhesion, ultimate, unperforated	FINAT FTM-1, glass	400 N/m
Removability		up to 1 year**
**Not 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>	Vertical exposure	2 years

### 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, alkalis 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 Window Film is also resistant to most commonly used cleaning detergents, provided that thorough rinsing is following the recommended exposure to the cleaning detergents.

#### 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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