

PRODUCT DATA SHEET

Avery Dennison® MPI™ 7000 Perforated Window Film Series

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Introduction

Avery Dennison MPI 7000 Perforated Window Film series consist of perforated, calendered films with a black backside for use on transparent substrates (i.e. glass). Both products available in this series consist of 180 micron gloss white vinyl, with 1.6 mm perforation and 40% of open area.

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.

Conversion

Avery Dennison 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 on flat surfaces only.

To enhance colour and protect the image against UV radiation and abrasion, Avery Dennison MPI 7000 PWF series is recommended to be overlaminated with Avery Dennison DOL 4000 or DOL 4100. Please consult Avery Dennison Technical Bulletin 5.12 for detailed information on conversion techniques.



Face Film

MPI 7201 PWF 180 micron gloss white calendered vinyl, 1.6 mm perforation, 40% open area

MPI 7301 PWF 180 micron gloss white calendered vinyl, 1.6 mm perforation, 40% open area



Adhesive

Semi-permanent, transparent, acrylic based



Backing

65 g/m² white, perforated and siliconized base paper on a 30 g/m² filmic liner



Durability

2 years (MPI 7301 PWF)

3 years (MPI 7201 PWF)



Shelf Life

1 year

Recommendations

- » All types of one way vision graphics on buildings, glass panels and glass doors
- » Continuous, uninterrupted vehicle graphics covering painted and window areas
- » Colorful graphics on windows that still provide sufficient interior daylight

Features

- » High-impact promotions for passers-by
- » Good privacy inside, with a clear view of the outside
- » Fire certification available
- » Long-term durability with ICS performance guarantee
- » Controls glare, UV and solar heat

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	180
Caliper, facefilm + adhesive (micron)	ISO 534	210
Dimensional stability (mm max.)	FINAT FTM 14	0.5
Shelf life (years)	Stored at 22° C/50-55 % RH	1
Durability ² (years)		
MPI 7201 PWF	Vertical exposure	3
MPI 7301 PWF	Vertical exposure	2
Fire Classification Rating	EN13501-1	B-s1, d0
Adhesive		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	120
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	240
Temperature range		
Application temperature (Minimum: °C)		10
Service temperature (°C to +°C)		-40 - +80
Chemical properties³		
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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