PRODUCT DATA SHEET

Avery Dennison® MPI™ 1104 EA PW

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Introduction

As part of the MPI Cast range, MPI 1104 EA Premium Wrap is a gloss white, highly conformable self-adhesive cast vinyl. Thanks to its Easy apply liner, MPI 1104 EA PW is recommended for applications on rivets and corrugations, without the need for additional application of primers or incisions.

As a result of its repositionable adhesive, the product can be smoothly moved over the installation surface until its final position is fixed.



Face Film
50 micron gloss white cast vinyl



Adhesive
EA Repositionable permanent, dark grey tie coat, acrylic based



Backing
Easy Apply liner, 155 g/sqm



Durability
7 years (unprinted, vertical exposure)



Shelf Life
2 years

Conversion

MPI 1104 EA PW has been developped to deliver an outstanding and consistent print performance across all major wide format inkjet printer platforms using Latex, Eco- Solvent, Hard/mild Solvent and UV-curable inks.

It is recommended to protect MPI 1104 EA PW with an overlaminate in order to enhance colour and to protect images against UV radiation and abrasion.

If the final graphic is used on corrugated vehicles or substrates, one of the Avery Dennison DOL 1400Z series conformable laminates can be used to protect the printing and enhance its life span.

Do NOT apply the product using the wet application method.

For further information on printing, application and removal, please refer to “TB 5.9 Application Bulletin of MPI 1100 Series”

Recommendations

- Full 3D vehicle wraps
- Vehicle graphics
- Interior & exterior decorative architectural applications
- All permanent applications requiring high conformability

Features

- Excellent print performance with Latex, UV, Eco-Solvent and Hard/mild solvent inks
- Superior 3D conformability* for demanding corrugations
- No additional installation techniques required for preparation of surfaces with deep corrugations
- Repositionable adhesive for easier and smoother positioning during application
- Air Egress feature to avoid air entrapment and wrinkles during application
- High gloss or matt finishes*
- Up to 7 years outdoor durability
- ICS Performance Guarantee
- HP Latex Certified

* when used in combination with DOL 1400 Z cast overlaminates

Physical Characteristics

	Test method[1]	Results
Product		
Caliper, facefilm (micron)	ISO 534	50
Caliper, facefilm + adhesive (micron)	ISO 534	80
Opacity		>99%
Dimensional stability (mm max.)	FINAT FTM 14	0.3
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability[2] (years)	Vertical exposure	7
Fire Classification Rating	EN13501-1	
Adhesive		
Elongation (%)	DIN 53455	>200%
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	460
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	560
Temperature range		
Application temperature (Minimum: °C)		≥15°C
Service temperature (°C to +°C)		-20°C - +80°C
Chemical properties[3]		
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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