

# Avery® HP MPI 2120 / 2122 Matte

Permanent / Removable StaFlat

(formerly: MPI 2010 / 2012)

Revision: 2 Dated: 12/08/2010

## Uses:

Avery HP MPI 2120 and 2122 Matte films are flexible calendered vinyl films. Both HP MPI 2120 and 2122 offer exceptional value for applications requiring premium calendered film durability combined with a permanent or removable adhesive performance.



**Face:** 3.4 mil (86 microns) low gloss calendered



**Adhesive:** Acrylic  
MPI 2120 - Permanent (clear)  
MPI 2122 - Removable (gray)



**Liner:** 90# StaFlat



**Durability:** Up to 6 years (unprinted)

**Application Surfaces:**

Flat, simple curves (restricted to non-spill areas)

## Features:

- 100% opacity, completely covers whatever is underneath
- Matte finish
- Outstanding durability and outdoor performance
- Great image clarity and color pop
- Dimensionally stable liner for easy converting
- ICC profiles available on Avery website ([www.iccprofiles.averygraphics.com](http://www.iccprofiles.averygraphics.com))
- *ASTM E84 Class 1 or A rating*

## Conversion:

- Thermal Die-Cutting
- Flat Bed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting

- Thermal Transfer
- Screen Printing
- Cold Overlaminating
- Water based inkjet

- Solvent based inkjet
- Mild/Eco Solvent inkjet
- UV inkjet
- Latex Inkjet*

## Common Applications:

- Fleet
- Vehicle
- Marine/ Watercraft

- Backlit Signs
- Wall Murals
- POP/ Tradeshow

- Window Graphics
- Outdoor Signage
- Floor Graphics



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## Physical Characteristics:

Property		Value
Caliper, face		3.4 mil (86 µm)
Caliper, adhesive		1.0mil (25 µm)
Dimensional stability		<0.065"(1.651 mm)
		Note: Ink loads in excess of 250% may cause increased shrinkage of the printed film.
Tensile at Yield		
Elongation		
Gloss	Hunter Gloss @ 60	<16
Adhesion: 15 min.	Removable	1.8 lbs/in (438 N/m)
	Permanent	4.7 lbs/in (831 N/m)
Flammability	ASTM E84 Class 1 or A rating	Self Extinguishing
Shelf-Life		1 year
Durability	Vertical Exposure	Unprinted – 6 years Printed – Up to 5 years
	Min. Application Temperature	50° F (10° C)
Service Temperature		-50° - 180°F (-45° - 82° C) (Reasonable range of temperatures which would be expected under normal environmental conditions).
Chemical resistance		Resistant to most mild acids, alkalis, and salt solutions.

### Important:

Information on physical and chemical characteristics are based on tests believed to be reliable. The values are intended only as a source of information. This information is given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of any material for their specific purpose. (Data represents average values where applicable, and is not intended for specification purposes)

### Warranty:

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## Dimensional stability:

Is measured on a 6" x 6" (150 x 150 mm) aluminum panel to which a specimen has been applied; 72 hours after application the panel is scored in a cross pattern, exposed for 48 hours to 150°F (65°C), after which the shrinkage is measured.

## Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel panel, 24 hours after the specimen has been applied under standardized conditions. Initial adhesion is measured 15 minutes after application of the specimen.

## Flammability:

A specimen applied to aluminum is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Also tested to ASTM E-84 method for surface burning characteristics of building materials. Documentation from third party testing agency available upon request.

## Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

## Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

*Revisions are italicized*



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