

Avery[®] IC MPI 2920 / 2921 Matte

Permanent / Removable StaFlat

(formerly: MPI 3000 / 3001)

Revision: New Dated: 02/10/2009

Uses:

Avery IC MPI 2920 and 2921 Matte are tough, scuff-resistant, flexible white promotional calendered vinyl films. IC MPI 2933 and 2923 Matte offer an economical choice for applications requiring an economy-calendered film with permanent or removable adhesive performance.



Face: 3.4 mil (86 microns) matte



Adhesive: Acrylic
MPI 2920 – Permanent (clear)
MPI 2921 – Removable (clear)



Liner: 90# StaFlat



Durability: Up to 5 years (unprinted)

Application Surfaces:

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

Features:

- Consistent printability
- Great image clarity and color pop
- Dimensionally stable liner for easy converting
- ICC profiles available on Avery website (www.iccprofiles.averygraphics.com)

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

Common Applications:

- Fleet
- Vehicle
- Marine/ Watercraft

- Backlit Signs
- Wall Murals
- POP/ Tradeshow

- Window Graphics
- Outdoor Signage
- Floor Graphics

Product Data Sheet

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Avery[®] IC MPI 2922 / 2923 Matte

Permanent / Removable StaFlat

(formerly: MPI 3402 / 3003)

Revision: New Dated: 02/10/2009

Uses:

Avery IC MPI 2933 and 2923 Matte is a tough, scuff-resistant, flexible white promotional calendared vinyl film. IC MPI 2933 and 2923 Matte offers an economical choice for applications requiring an economy-calendared film with permanent or removable adhesive performance.



Face: 3.4 mil (86 microns) matte



Adhesive: Acrylic
MPI 2922 – Removable (gray)
MPI 2923 – Permanent (gray)



Liner: 90# StaFlat



Durability: Up to 5 years (unprinted)

Application Surfaces:

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

Features:

- Consistent printability
- Great image clarity and color pop
- Opaque
- Dimensionally stable liner for easy converting
- ICC profiles available on Avery website (www.iccprofiles.averygraphics.com)

Conversion:

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Thermal Die-Cutting | <input type="checkbox"/> Thermal Transfer | <input checked="" type="checkbox"/> Solvent based inkjet |
| <input checked="" type="checkbox"/> Flat Bed Sign-Cut | <input type="checkbox"/> Screen Printing | <input checked="" type="checkbox"/> Mild/Eco Solvent inkjet |
| <input checked="" type="checkbox"/> Drum Roller Sign-Cut | <input type="checkbox"/> Cold Overlaminating | <input checked="" type="checkbox"/> UV inkjet |
| <input checked="" type="checkbox"/> Steel Rule Die-Cutting | <input type="checkbox"/> Water based inkjet | |

Common Applications:

- | | | |
|---|--|---|
| <input type="checkbox"/> Fleet | <input type="checkbox"/> Backlit Signs | <input type="checkbox"/> Window Graphics |
| <input type="checkbox"/> Vehicle | <input checked="" type="checkbox"/> Wall Murals | <input checked="" type="checkbox"/> Outdoor Signage |
| <input type="checkbox"/> Marine/ Watercraft | <input checked="" type="checkbox"/> POP/ Tradeshow | <input checked="" type="checkbox"/> Floor Graphics |

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Avery[®] IC MPI 2922 / 2923 Matte

Permanent / Removable StaFlat

(formerly: MPI 3402 / 3003)

Revision: New Dated: 02/10/2009



Physical Characteristics:

Property	Value	
Caliper, face	3.4 mil (97 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	55
Adhesion: 15 min.	Permanent	5.5 lbs/in (962 N/m)
15 min.	Removable	2.5 lbs/in (438 N/m)
Flammability	Self Extinguishing	
Shelf-Life	1 year	
Durability	Vertical Exposure	Removable Unprinted – 3 years Printed – Up to 2 years Permanent Unprinted – 5 years Printed – Up to 4 years
Min. Application Temperature	50° F (10° C)	
Service Temperature	-40° - 180°F (-40° - 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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Graphics & Reflective Products Division
250 Chester Street
Painesville, OH 44077



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www.averygraphics.com

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Permanent / Removable StaFlat

(formerly: MPI 3402 / 3003)

Revision: New Dated: 02/10/2009



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.

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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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 55 ±10 @ 60
Adhesion: 15 min.	Permanent 3.2 lbs/in (560 N/m)
15 min.	Removable 1.0 lbs/in (175 N/m)
Flammability	Self Extinguishing
Shelf-Life	1 year
Durability	Vertical Unprinted – 5 years Exposure Printed - Up to 4 years
Min. Application Temperature	50°F (10°C)
Service Temperature	-40° - 180°F (-40° - 82°C) (Reasonable range of temperatures which would be expected under normal environmental conditions).
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Chemical Resistance:

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Flammability:

Meets ASTM E84-04, Standard Test Method for Surface Burning Characteristics of Building Materials,
Class A Rated

*Further ASTM E84-04 documentation available upon request

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