

Avery Dennison® MPI2921 Series

Removable StaFlat & EZ

Revision: 1 Dated: 02/24/20

Uses:

Avery Dennison MPI2921 Series is a specially engineered, opaque flexible calendered vinyl film that has been specifically designed for temporary graphics. The MPI2921 Easy Apply can also be used for cover-up graphics. This changeable construction allows for easy installation and removal of short term graphics.



Face: 3.4 mil (86 microns) matte opaque calendered film



Adhesive: Removable Acrylic (clear)



Liner: 90# StaFlat™ (Smooth)
90# Easy Apply™

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

Features:

- 100% opacity, completely covers whatever is underneath
- Matte finish
- Great image clarity and color pop
- Dimensionally stable liner for easy converting
- ICC profiles available on Avery Dennison's website (<https://avery-us.color-base.com>)
- Changeable for clean removal without heat or chemicals
- Easy apply adhesive technology allows for bubble free installation

Conversion:

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

Common Applications:

- Fleet (flat & simple curve only)
- Vehicle (flat & simple curve only)
- Wall Murals
- POP/ Trade Show
- Outdoor Signage
- Floor Graphics
- Ice Rink Boards / Dasher Boards

Product Data Sheet

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Graphics
Solutions

www.graphics.averydennison.com
Customer Service: 800-282-8379

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Physical Characteristics:

Property	Measurement	Typical 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 and/or increased initial adhesion of the printed film
Tensile at Yield		
Elongation		
Gloss	Hunter Gloss @ 60 degrees	<16
Adhesion:	15 min 24 hr 1 week	1.0 lbs/in (175 N/m) 1.2 lbs/in (210 N/m) 1.8 lbs/in (315 N/m)
Flammability	Self Extinguishing	
Shelf-Life		2 years from the date of manufacture (when stored at the following temperatures and humidity conditions 68°-77° F (20° - 25° C) and 50±5% R. H.)
Durability	Zone 1 Vertical Exposure	1 year durability
Min. Application Temperature		40° F (4° C)
Service Temperature		-40° to 180°F (-40° to 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
Removability		1 year from most substrates (without heat)

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Data represents average values where applicable, and is not intended for specification purposes.

Warranty:

This Warranty applies to the Product listed in this Data Sheet. All statements, technical information (including physical and chemical characteristics) and recommendations about Avery Dennison products are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold subject to the Purchaser's assent and agreement that Purchaser is responsible for, and has independently determined, the suitability of such products for its purposes or its customer's purposes. Avery Dennison products are warranted to be free from defects in material and workmanship (i) for two years from the date of manufacture, or (ii) from the date of manufacture until the expiration of the period stated on the specific Product Data Sheet in effect at the time of delivery.. Such time periods are subject in either case to the proper storing and application of said product, and the failure to properly store or apply the product, including without limitation the failure to follow any applicable Instructional Bulletin, negates any warranty. It is expressly agreed and understood that Avery Dennison's sole obligation and Purchaser's exclusive remedy under this warranty, under any other warranty, express or implied, or otherwise, shall be limited exclusively to: (a) repair or replacement of defective product without charge at Avery Dennison's plant or at the location of the product (at Avery Dennison's election), or (b) in the event repair or replacement are not commercially practical, a credit amount up to the price of the product taking into account the defect in the product in Avery Dennison's sole discretion.

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All sales and contracts for sale of Products are subject to Purchaser's assent and agreement to this Warranty. Avery Dennison hereby objects to any terms or conditions contained in any purchase order or other communication of any kind from the Purchaser that is conflicting, inconsistent or additional to this Agreement.

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Removability:

“**Removable Adhesive**” means an Avery Dennison adhesive that can be removed without heat or chemicals within the period stated on the respective Product Data Sheet and might leave twenty percent (20%) or less adhesive residue.

Avery Dennison does not guarantee removability from the following substrates:

- Surfaces with poor paint-to-substrate adhesion
- Wallboard
- Existing graphics that must remain intact; damage to existing graphic when film is removed. (It is the responsibility of the installer to ensure the graphics to be covered are in good condition.)
- Aged paint or metal that may have surface oxidation or chalking
- Outdoor, horizontal surfaces

Limitation of End Uses:

This Avery Dennison product is not designed or recommended for the following uses. Unsuitable applications or exposure conditions include:

- Corrugated, channels
- Compound / complex curves
- Highly-irregular surfaces
- Stainless Steel
- Paint that is not thoroughly cured or dried
- Low surface energy substrates (i.e. Tedlar® coatings)
- Unclean or textured surfaces

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. One 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. One hour after removing the panel from the fluid, the specimen is examined for any deterioration.

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Related Documents:

The following Avery Dennison literature will provide complete information to the user for proper application, storage, and other requirements and is available upon request from your Avery Dennison representative or from the Avery Dennison website (www.graphics.averydennison.com).

Document Title	Reference Number
Substrate Cleaning and Preparation	Instructional Bulletin #1.10
Storage, Maintenance, and Cleaning of PVC Films	Instructional Bulletin #1.20
Warranty of Avery Dennison Films	Instructional Bulletin #1.30
Screen printing Ink Recommendations Cast, Reflective, Calendered and Specialty Products	Instructional Bulletin #3.00
Multi Purpose InkJet OEM Qualification Matrix, Durability Reference, & Troubleshooting Guide	Instructional Bulletin #5.80

Revisions are italicized

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Patent Registration:

US6,630,049, US7,060,351, US7,344,618, EP1276605, EP1282472

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