

Avery Dennison® MPI2050 Matte Translucent

Permanent StaFlat™

Revision: 6 Dated: 09/20/18

Uses:

Avery Dennison MPI 2050 Matte Translucent Calendered film is a premium calendered film with a permanent adhesive. HP MPI 2050 Matte Translucent is the answer for self-adhesive, illuminated signage with great image quality, superior stability, and long-term.



Face: 3.4 mil (86 microns) matte calendered



Adhesive: Permanent Acrylic (clear)



Liner: 90# StaFlat™

Application Surfaces: Flat, simple curves

Features:

- Consistent printability
- Great image clarity and color pop
- Translucent, provides light transmission when applied over a light source
- Excellent shrink resistance, even with heavy ink loads
- Dimensionally stable liner for easy converting
- ICC profiles available on Avery Dennison's website (<https://avery-us.color-base.com>)
- ASTM E84 Class 1 or A rating

Conversion:

- Thermal Die-Cutting
- Flatbed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting
- Solvent based inkjet
- Screen Printing*
- UV inkjet
- Mild/Eco Solvent inkjet
- Latex Inkjet

* User must determine compatibility of screen printing ink system.

Common Applications:

- Backlit Signs

Product Data Sheet

Page 1 of 3



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

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Physical Characteristics:

Property	Measurement	Typical 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 and/or increased initial adhesion of the printed film
Tensile at Yield		
Elongation		
Gloss	Hunter Gloss @ 60 degrees	20 GU
Opacity		79-80%
Adhesion:	15 min 24 hr	Stainless Polycarbonate 4.0lbs/in (700 N/m) 4.0lbs/in (700 N/m) Stainless Polycarbonate 4.1lbs/in (718 N/m) 6.0lbs/in (1050 N/m)
Flammability		FMVSS 302 ASTM E-84 Self Extinguishing Class 1 or A rating
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	Vertical Exposure	Unprinted – 6 years Printed – Up to 5 years vertical. See ICS Performance Guarantee for printer specific information
Min. Application Temperature		40° F (4° C)
Service Temperature		-50° to 180°F (-45° 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

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Page 2 of 3



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

Warranty:

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⚠ WARNING

Failure to install the film in full compliance with Avery Dennison's installation instructions may result in personal injury or property damage. Read and follow all instructions when installing the film.

Revisions are italicized

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Product Data Sheet

Page 3 of 3



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