

# Avery Dennison<sup>®</sup> MPI 1106

Opaque Hi Tack Easy Apply™

Revision: 1 Dated: 07/25/16

## Uses:

Avery Dennison MPI 1106 Hi Tack Easy Apply gloss premium cast film is an opaque solid color, conformable vinyl film designed for use in demanding applications. The adhesive system is designed for use on low energy substrates such as plastics, powder coat paints, fiberglass, clear coats and painted metal surfaces. This product is ideal for a variety of outdoor projects. Reference performance guarantee for coverage. MPI 1106 SuperCast must be laminated with DOL 1000Z Series, DOL 1300Z Series or DOL 1400Z Series laminates.



**Face:** 2.0 mil (51 microns) high gloss cast film



**Adhesive:** Clear, High Performance Acrylic



**Liner:** 90# Avery Dennison Easy Apply technology

**Application Surfaces:**

Flat, Simple Curves, Complex Curves

## Features:

- Excellent for OEM durable decal applications
- Outstanding durability and outdoor performance
- Good UV, temperature, humidity, and salt-spray resistance
- High performance adhesive for difficult substrates
- Dimensionally stable liner for easy converting
- Air egress technology for bubble free application
- ICC profiles available on Avery Dennison's website ([www.avery-us.color-base.com](http://www.avery-us.color-base.com))

## Conversion:

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

\* For flat surfaces only, except for qualified flexible UV inks.

## Common Applications:

- Heavy Equipment
- Trucks and Trailers
- Buses and Transit
- Rail Car
- Commuter Rail
- Snow vehicles
- ATV /Recreational Vehicles

## Product Data Sheet

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800.253.1569 | [wensco.com](http://wensco.com)

[graphics.averydennison.com](http://graphics.averydennison.com)  
Customer Service: 800-282-8379

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## Physical Characteristics:

Property	Typical Value
Caliper, face	2.0 mil (51µm)
Caliper, adhesive	1.0mil (25 µm)
Dimensional stability	<0.015"(0.4mm)
	Note: Ink loads in excess of 250% may cause increased shrinkage of the printed film.
Tensile at Yield	4.0 - 8.0 lb/in (0.7–1.5 kg/cm)
Elongation	200% min.
Gloss	Hunter Gloss @ 60 degrees 90 GU
Adhesion (24 hr.)	
LSE Plastics	4.1 lbs/in (718 N/m)
LSE Clearcoats	4.3 lbs/in (753 N/m)
LSE Paints	4.5 lbs/in (788 N/m)
LSE Textured substrates	3.5 lbs/in (613 N/m)
	5.5 lbs/in (963 N/m) .
	LSE – Low Surface Energy
Flammability	Self Extinguishing
Shelf-Life	2 years from 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 – 7 years (unwarranted) Printed – see ICS Performance Guarantee
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.

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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## 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](http://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
Multi Purpose Ink Jet OEM Qualification Matrix, Durability Reference, & Troubleshooting Guide	Instructional Bulletin #5.80
Premask Recommendations	Instructional Bulletin #5.50

Revisions are italicized

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