

Avery Dennison® DOL1300 Max Series Clear Cast Laminates

Transparent Synthetic

Revision: 1 Dated: 10/30/24

Uses:

Avery Dennison® DOL1300 Max Series Clear Cast Vinyl is a premium quality, ultra-thin, ultra-conformable cast vinyl film designed for use as a protective overlamine film for solvent, UV, latex, and screen print inks. DOL1300 Max offers an exceptional value for applications requiring a variety of finishes, providing excellent conformability, abrasion resistance, and durability. The gloss film now features a synthetic liner that creates a super smooth high gloss finish which provides an overall paint-like finish of printed graphics. DOL1300 Max Series is designed to be used with MPI1105 SuperCast Series print media.



Face: 1.3 mil (32 microns) cast film



Adhesive: Permanent Acrylic (clear)



Liner: 2 mil Transparent Synthetic



Durability: Up to 7 years

Application Surfaces: Flat, Flat with Rivets, Corrugations, Complex Curves (vehicle wraps)

Features:

- DOL1360 Max, optically clear, high gloss finish
- Protects image from scratches
- Enhances color and depth of image
- Ultra-conformable face
- Outstanding durability and outdoor performance
- Excellent dimensional stability

Conversion:

- Cold Overlaminating

Common Applications:

- Fleet
- Vehicle
- Marine/ Watercraft
- Backlit
- POP / Trade Show
- Wall Murals
- Window Graphics
- Outdoor Signage

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Physical Characteristics:

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

Property	Measurement	Typical Values												
Caliper, face		1.3 mil (32 µm)												
Caliper, adhesive		1.0 mil (25 µm)												
Dimensional stability		<0.015" (0.4mm)												
Tensile at Yield		4.0 - 8.0 lb/in (0.7–1.5 kg/cm)												
Elongation		100% min.												
Gloss	Hunter Gloss @ 60 degrees	DOL1360 Max – 90 GU DOL1370 Max – 30 GU DOL1380 Max – 5 GU												
Adhesion:	15 min 24 hr	3.0 lbs/in (525 N/m) 3.5 lbs/in (613 N/m)												
Flammability	FMVSS 302	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 (years)	Vertical Exposure Horizontal	<table border="1"> <thead> <tr> <th colspan="3">years</th> </tr> <tr> <th>Zone 1</th> <th>Zone 2</th> <th>Zone 3</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>5.7</td> <td>2.8</td> </tr> <tr> <td>2</td> <td>1.2</td> <td>1</td> </tr> </tbody> </table> see ICS Warranty for details for specific printer / ink combination.	years			Zone 1	Zone 2	Zone 3	7	5.7	2.8	2	1.2	1
years														
Zone 1	Zone 2	Zone 3												
7	5.7	2.8												
2	1.2	1												
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 including water. Resists Petroleum Vapors												
Compliance		California Proposition 65												

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Special Considerations:

When overlaminating UV printed graphics: Heat assist and increasing lamination pressure when applying the overlaminate will reduce the silvering that can occur when laminating UV printed graphics. Do not exceed 115° F (46° C) on the top or bottom roll. Roll pressure up to 100 psi may be used. When applying the overlaminate in this manner, use the minimum amount of unwind tension on the overlaminate to reduce stretching during application.

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 Films	Instructional Bulletin #1.30
Cleaning and Maintenance of Vehicle Wraps	Instructional Bulletin #1.50
Removal Instructions	Instructional Bulletin #4.10
Tips for Overlaminating, Premasking & Packaging Graphics	Instructional Bulletin #5.50

Revisions are italicized

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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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