

# Avery Dennison<sup>®</sup> DOL 1300Z Series Clear Laminate

Permanent 83# / Transparent Synthetic (on gloss only)

Revision: 0 Dated: 05/11/16

## Uses:

Avery Dennison DOL 1300Z 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. DOL 1300Z Series 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. DOL 1300Z Series is designed to be used with MPI 1105 SuperCast Series print media.



Face: 1.3 mil (32 microns) high gloss cast film



Adhesive: Permanent Acrylic (clear)



Liner: 83# Kraft coated one side (on 1370Z & 1380Z)  
2 mil Transparent Synthetic (on 1360Z gloss)



Durability: Up to 4 years

Application Surfaces:

Flat, Flat with Rivets, Corrugations, Complex Curves (vehicle wraps)

## Features:

- DOL 1360Z, optically clear, high gloss finish
- DOL 1370Z, luster finish
- DOL 1380Z, matte finish
- Protects image from scratches
- Enhances color and depth of image
- Ultra-conformable face
- Outstanding durability and outdoor performance
- Extremely smooth & stable liner reduces surface mottle defects and lacquer picks.
- Excellent dimensional stability
- Aids in application of printed graphic
- Excellent UV, temperature, humidity, and salt-spray resistance

## Conversion:

- Cold Overlaminating

## Common Applications:

- Fleet
- Vehicle
- Marine/ Watercraft
- Backlit Signs
- Wall Murals
- POP/ Tradeshow
- Window Graphics
- Outdoor Signage

## Product Data Sheet

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## Physical Characteristics:

Property		Typical Values
Caliper, face		1.3 mil (32µm)
Caliper, adhesive		1.0mil (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.
Hunter Gloss	Measured @ 60°	DOL 1360Z – 90 GU DOL 1370Z – 30 GU DOL 1380Z – 5 GU
Adhesion: 15 min.		3.0 lbs/in (525 N/m)
	24 hr.	3.5 lbs/in (613 N/m)
Flammability	ASTM E84 Class 1 or A rating	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	Up to 4 years
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.

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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## 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](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
Tips for Overlaminating, Premasking & Packaging Graphics	Instructional Bulletin #5.50
Removal Instructions	Instructional Bulletin #4.10

Revisions are italicized

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