

Avery Dennison® DOL1460Z Series Clear Cast Laminates

83 # / Transparent Synthetic (on gloss only)

Revision: 1 Dated: 05/08/19

Uses:

Avery Dennison® DOL 1400Z Series Clear Cast Vinyl is a premium quality, ultra-thin, super-conformable cast vinyl film designed to be used with MPI 1105 SuperCast Series media for the most difficult 3D applications. The film serves as a protective overlamine film for solvent, UV, latex digital inks. DOL 1400Z Series offers an exceptional value for applications requiring ultimate 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.



Face: 1.3 mil (32 microns) cast film



Adhesive: Permanent Acrylic (clear)



Liner: 2 mil Transparent Synthetic



Durability: Up to 4 years

Application Surfaces:

Flat, Flat with Rivets, Corrugations, Complex Curves, Deep Recesses (Extreme vehicle wraps)

Features:

- High gloss finish
- Super conformable face with excellent conformability
- Provides ultimate conformability for extreme vehicle wrap applications (i.e. deep recesses, compound curves, etc.)
- Protects image from scratches
- Enhances color and depth of image
- Ultra-conformable face
- Outstanding durability and outdoor performance
- Excellent dimensional stability
- ASTM E-84 Type 1 or A rating

Conversion:

- Cold Overlaminating

Common Applications:

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

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Graphics Solutions

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

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Physical Characteristics:

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		3.0 - 7.0 lb/in (0.5–1.25 kg/cm)
Elongation		150% min.
Gloss	Hunter Gloss @ 60 degrees	DOL 1460Z – 90 GU
Adhesion:	15 min 24 hr	3.0 lbs/in (525 N/m) 3.5 lbs/in (613 N/m)
Flammability	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	Up to 4 years <i>see ICS Performance Guarantee for printer specific durability</i>
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

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

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Warranty:

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

Revisions are italicized

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