

Avery® SC DOL 1400 Series Clear Laminate

Permanent 83# Kraft

New Product

Revision: 0

Dated: 9/15/2010

Uses:

Avery SC DOL 1400 Series Clear Cast Vinyl is a premium quality, ultra-thin, super-conformable cast vinyl film designed to be used with MPI 1005 Supercast Series media for the most difficult 3D applications. The film serves as a protective overlamine film for solvent, UV, latex digital inks. SC DOL 1400 Series offers an exceptional value for applications requiring ultimate conformability, abrasion resistance, and durability.



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



Adhesive: Permanent Acrylic (clear)



Liner: 83# Kraft coated one side



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
- Outstanding durability and outdoor performance
- Dimensionally stable mottle reduction liner for easy converting & high gloss performance.
- Excellent dimensional stability
- Aids in application of printed graphic
- When paired with MPI Supercast, no primer is required in deep recess channel areas
- Excellent UV, temperature, humidity, and salt-spray resistance

Conversion:

- Thermal Die-Cutting
- Flat Bed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting

- Thermal Transfer
- Screen Printing
- Cold Overlaminating
- Water based inkjet

- Solvent based inkjet
- Mild/Eco Solvent inkjet
- UV inkjet

Common Applications:

- Fleet
- Vehicle (Extreme wraps)
- Marine/ Watercraft

- Backlit Signs
- Wall Murals
- POP/ Tradeshow

- Window Graphics
- Outdoor Signage
- Floor Graphics

Product Data Sheet

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Physical Characteristics:

Property		Value
Caliper, face		1.3 mil (32 µm)
Caliper, adhesive		1.0 mil (25 µm)
Dimensional stability		<0.015" (0.4 mm)
Tensile at Yield		3.0 - 7.0 lb/in (0.5-1.25 kg/cm)
Elongation		150% min.
Hunter Gloss	Measured @ 60°	DOL 1460 - 90
Adhesion: 15 min.		3.0 lbs/in (525 N/m)
	24 hr.	3.5 lbs/in (613 N/m)
Flammability		Self Extinguishing
Shelf-Life		1 year
Durability	Vertical Exposure	Up to 4 years
Min. Application Temperature		40° F (4° C)
Service Temperature		-40° - 180°F (-40° - 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.

Important:

Information on physical and chemical characteristics are based on tests believed to be reliable. The values are intended only as a source of information. This information is given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of any material for their specific purpose. (Data represents average values where applicable, and is not intended for specification purposes)

Warranty:

All statements, technical information 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 with the understanding that Purchaser has independently determined the suitability of such products for its purposes. Avery Dennison products are warranted to be free from defects in material and workmanship for either one year (or the period stated on the specific product information literature in effect at time of delivery, if longer) from date of shipment if said product is properly stored and applied. 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 to repair or replacement of defective product without charge at Avery Dennison's plant or at the location of product (at Avery Dennison's election), or in the event replacement or repairs is not commercially practical, to Avery Dennison's issuing Purchaser a credit reasonable in light of the defect in the product.

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Dimensional stability:

Is measured on a 6" x 6" (150 x 150 mm) aluminum panel to which a specimen has been applied; 72 hours after application the panel is scored in a cross pattern, exposed for 48 hours to 150°F (65°C), after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel panel, 24 hours after the specimen has been applied under standardized conditions. Initial adhesion is measured 15 minutes after application of the specimen.

Flammability:

A specimen applied to aluminum is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Revisions are italicized

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