

Avery[®] UC DOL 1560 Optically Clear

Permanent Polyester

(formerly: DOL 4500)

Revision: New Dated: 02/10/2009

Uses:

Avery UC DOL 1560 Optically Clear cast vinyl is a premium quality, flexible high gloss vinyl film designed for use as a protective overlaminated film perforated window graphics. UC DOL 1560 offers an exceptional value for applications requiring glossy colors and durability.



Face: 2.1 mil (53 microns) high gloss cast film



Adhesive: Permanent Acrylic (clear)



Liner: 1.5 mil (38 microns) clear polyester



Durability: Up to 1 years

Application Surfaces:

Flat, simple curves

Features:

- High gloss finish
- Protects image from scratches
- Enhances color and depth of image
- Conformability to curved vehicle windows
- Dimensionally stable liner for easy converting
- Excellent dimensional stability
- Aids in application of printed graphic
- 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
- 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		2.1 mil (53 µm)
Caliper, adhesive		1.0 mil (25 µm)
Dimensional stability		<0.15"(0.4mm)
Tensile at Yield		4.0 - 8.0 lb/in (0.7-1.5 kg/cm)
Elongation		100% min.
Gloss	Hunter Gloss @ 60	90 ±10
Adhesion: 15 min.		3.0 lbs/in (525 N/m)
24 hr.		4.0 lbs/in (700 N/m)
Flammability		Self Extinguishing
Shelf-Life		1 year
Durability	Vertical Exposure	Up to 1 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.

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:

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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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