

Avery[®] UC 900 Ultimate Cast Series

Blockout Films – Permanent - StaFlat
(formerly: A5000 Series White & Black Blockout)
Revision: New Dated: 1/6/2009

Uses:

Avery Graphics[™] UC 900 Light Blockout Films are premium quality cast films that are especially designed for graphic applications involving illuminated light box applications. Avery Graphics UC 900 Light Blockout Films are designed to provide complete light blocking. Black or white colored faces in conjunction pigmented second pass cast films work integrally to provide the light blocking characteristics.



Face: 4.0 mil (101 microns) high cast film



Adhesive: Clear Permanent Acrylic



Liner: 90# StaFlat



Durability: 5 years

Application Surfaces:

Flat

Features:

- Outstanding durability and outdoor performance
- Dimensionally stable liner for easy converting
- Excellent conversion on CAD plotters
- Easy cutting & weeding
- Excellent dimensional stability
- Excellent UV, temperature, humidity, and salt-spray resistance
- Can be used in first or second surface applications

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:

Architectural Signage
Directional Signage

Backlit Rigid Signs
Flexible Signfaces

Outdoor advertising

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Physical Characteristics:

Property	Value
Caliper, face	4.0 mil (101 µm)
Caliper, adhesive	1.0mil (25 µm)
Dimensional stability	<0.03"(0.8mm)
Tensile at Yield	4.0 - 8.0 lb/in (1.31–2.63 kg/cm)
Elongation	100% min.
Gloss	matte
Adhesion: Acrylic	24 hr. 4.0 lbs/in (700 N/m) 1 week 4.3 lbs/in (752 N/m)
Polycarbonate	24 hr. 3.5 lbs/in (613 N/m) 1 week 4.2 lbs/in (735 N/m)
Signtech [®]	24 hr. 3.8 lbs/in (665 N/m)
Flexface FX	1 week 4.2 lbs/in 735 N/m)
Flammability	Self Extinguishing
Shelf-Life	1 year
Durability	Vertical Exposure 5 years
Min. Application Temperature	40°F (4°C)
Service Temperature	-50° - 180°F (-45° - 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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Avery Dennison's liability for defective products shall not exceed the purchase price paid therefore by Purchaser and in no event shall Avery Dennison be responsible for any incidental or consequential damages whether foreseeable or not, caused by defects in such product, whether such damage occurs or is discovered before or after replacement or credit, and whether or not such damage is caused by Avery Dennison's negligence.

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Colors: Cross Reference

SPECIALTY SERIES - 90#	AVERY 100 SPECIALTY FILMS PERMANENT STAFLAT™	SPECIALTY SERIES - 90#	AVERY 100 SPECIALTY FILMS PERMANENT STAFLAT™
A5851-S White Blockout	UC 900-151-S White Blockout	A5852-S Black Blockout	UC 900-152-S Black Blockout

COMMENTS: 151- White has a black reverse side

152 – Black has a white reverse side

NOTE: Some color fade may occur in severe environmental areas. Reference IB 1.30 for durability guidelines.

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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