

Avery[®] UC 900 Ultimate Cast Series

Opaque Long Term Removable - StaFlat

(formerly: FT1000 Series)

Revision: 2 Dated: 8/06/2009

Uses:

Avery Dennison UC 900 Opaque LTR Cast Vinyl films are premium quality, conformable, opaque vinyl films designed for use in fleet marking applications and associated graphics programs. These films offer exceptional value for applications requiring extended durability. Avery Dennison's Long Term Removable adhesive is designed to offer "Ease-of-Application" features and clean removal at the end of the graphic life.



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



Adhesive: Long Term Removable Acrylic



Liner: 90# StaFLat, Poly-Coated with Avery Graphics EZ Apply™ technology



Durability: 7 years

Application Surfaces:

Flat, Flat with Rivets, Corrugations.

Features:

- Outstanding durability and outdoor performance
- Superior conformability to irregular substrates
- Dimensionally stable liner for easy converting
- High gloss finish
- Excellent conversion on CAD plotters
- Easy cutting & weeding
- Excellent dimensional stability
- Excellent UV, temperature, humidity, and salt-spray resistance
- Custom colors available (contact your sales representative)
- Long Term Removability

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:

Trucks
Trailers
Cars & Vans
Marine

Architectural Signage
Directional Signage
Emergency Vehicles
Trains & light rail

Buses
Outdoor advertising

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Physical Characteristics:

Property	Value
Caliper, face	2.1 mil (53 53 µm)
Caliper, adhesive	1.0mil (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	90%
Adhesion: 15 min	2.7 lbs/in (473 N/m)
24 hr.	3.5 lbs/in (613 N/m)
1 week	4.4 lbs/in (770 N/m)
Flammability	Self Extinguishing
Shelf-Life	1 year
Durability	Vertical Exposure 7 Years
Min. Application Temperature	45° F (7° C) Flat w/without rivets 50° F (10° C) Flat w/without rivets
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:

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.

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.

NO EXPRESS WARRANTIES AND NO IMPLIED WARRANTIES, WHETHER OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE, OR OTHERWISE (EXCEPT AS TO TITLE), OTHER THAN THOSE EXPRESSLY SET FORTH ABOVE WHICH ARE MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, SHALL APPLY TO PRODUCTS SOLD BY AVERY DENNISON. AVERY DENNISON SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER SUCH WARRANTIES. NO WAIVER, ALTERATION, ADDITION OR MODIFICATION OF THE FOREGOING CONDITIONS SHALL BE VALID UNLESS MADE IN WRITING AND MANUALLY SIGNED BY AN OFFICER OF AVERY DENNISON.

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Colors: Cross Reference

FT 1000 SERIES	AVERY 900 UTLIMATE CAST OPAQUE LONG TERM REMOVABLE STAFLAT™	FT 1000 SERIES	AVERY 900 UTLIMATE CAST OPAQUE LONG TERM REMOVABLE STAFLAT™
FT 1000 Clear	UC 900-103-O Clear	FT 1003 Black	UC 900-190-O Black
FT 1002 White	UC 900-10881-O Cover White		

COMMENTS:

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

PREMASK

R-tape 4765 RLA (available through Avery Dennison Distributors)

The decal must be re-squeegeed after the removal of premask.

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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