

Avery[®] UC 900 Ultimate Cast Series

Translucent Permanent Kraft

(formerly: A9 Translucent Series – 78#)

Revision: New Dated: 1/6/2009

Uses:

Avery Graphics[™] UC 900 Ultimate Cast Translucent films are high performance, flexible, translucent cast vinyl films which are especially suited for architectural graphic applications involving flexible and rigid backlit signage and awnings, as well as window graphics. Avery Graphics[™] UC 900 Ultimate Cast Translucent films maintain consistent color under both transmitted and reflected lighting conditions and adhere to a wide variety of properly prepared substrates. UC 900 Ultimate Cast Translucent films may also be used with thermo-forming, backlit applications. Should be applied to flexible backlit scrim, glass, polycarbonates, and acrylics (should be tested prior to use)



Face: 2.3 mil (58 microns) cast film



Adhesive: Clear Permanent Acrylic



Liner: 78# Bleached Kraft



Durability: Up to 9 years

Application Surfaces:

Flat.

Features:

- Available in Pantone[®] Color simulations
- Outstanding durability and outdoor performance
- Dimensionally stable liner for easy converting
- Matte
- 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)

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

Outdoor advertising

Product Data Sheet

Page 1 of 4



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Physical Characteristics:

Property	Value
Caliper, face	2.3 mil (58 microns)
Caliper, adhesive	1.0mil (25 µm)
Dimensional stability	<0.015"(0.4mm)
Tensile at Yield	4.0 - 8.0 lb/in (0.7–1.5 kg/cm)
Elongation	100% min.
Gloss	20
Adhesion: 15 min.	2.2 lbs/in (385 N/m)
24 hr.	3.0 lbs/in (525 N/m)
Flammability	Self Extinguishing
Shelf-Life	1 year
Durability	Vertical Exposure Up to 9 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:

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.

Product Data Sheet

Page 2 of 4
Graphics & Reflective Products Division
250 Chester Street
Painesville, OH 44077



AnswerLine: 800-231-4654
www.averygraphics.com

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Colors: Cross Reference

A9 TRANSLUCENT SERIES	AVERY 900 ULTIMATE CAST TRANSLUCENT PERMANENT KRAFT	A9 TRANSLUCENT SERIES	AVERY 900 ULTIMATE CAST TRANSLUCENT PERMANENT KRAFT
A9001-T White	UC 900-101-T White	A9416-T Pantone 214 C Fuchsia	UC 900-516-T Pantone 214 C §
A9011-T Pantone 427 C Winter Sky	UC 900-811-T Pantone 427 C	A9446-T Pantone 2622 C Plum	UC 900-546-T Pantone 2622 C §
A9047-T Pantone 430 C Charcoal	UC 900-837-T Pantone 430 C	A9460-T Pantone 266 C Bright Purple	UC 900-560-T Pantone 266 C ±
A9069-T Pantone 877 C Silver Shimmer	UC 900-869-T Pantone 877 C Δ	A9467-T Pantone 274 C Patriot Blue	UC 900-667-T Pantone 274 C §
A9081-T Pantone Process Black C	UC 900-181-T Pantone Process Black C	A9502-T Pantone 277 C Baby Blue	UC 900-602-T Pantone 277 C §
A9111-T Pantone Yellow 012 C	UC 900-211-T Pantone 012 C §	A9503-T Pantone 279 C Tropical Blue	UC 900-603-T Pantone 279 C §
A9113-T Pantone 109 C Lemon Zest	UC 900-216-T Pantone 109 C §	A9526-T Pantone 285 C Wave Blue	UC 900-626-T Pantone 285 C §
A9114-T Pantone 116 C Sunshine	UC 900-214-T Pantone 116 C §	A9556-T Pantone 290 C Pale Blue	UC 900-556-T Pantone 290 C §
A9143-T Pantone 1235 C Golden Yellow	UC 900-243-T Pantone 1235 C §	A9561-T Pantone 3005 C Process Blue	UC 900-661-T Pantone 3005 C §
A9161-T Pantone 1655 C Halloween Orange	UC 900-361-T Pantone 1655 C §	A9566-T Pantone 2945 C Pacific Blue	UC 900-668-T Pantone 2945 C §
A9180-T Orange	UC 900-360-T Orange	A9584-T Pantone 288 C Night Sky Blue	UC 900-684-T Pantone 288 C §
A9217-T Pantone 7500 C Sand Dune	UC 900-218-T Pantone 7500 C §	A9586-T Cobalt Blue	UC 900-686-T Cobalt Blue §
A9249-T Pantone 872 C Gold Shimmer	UC 900-249-T Pantone 872 C Δ	A9588-T Pantone 281 C Mediterranean Blue	UC 900-685-T Pantone 281 C §
A9251-T Pantone 155 C Vanilla	UC 900-951-T Pantone 155 C §	A9591-T Twilight Blue	UC 900-691-T Twilight Blue §
A9252-T Pantone 466 C Khaki	UC 900-952-T Pantone 466 C §	A9592-T Real Blue	UC 900-692-T Real Blue
A9275-T Pantone 4495 C Golden Nugget	UC 900-275-T Pantone 4495 C §	A9593-T Pantone 2747 C Blueberry	UC 900-693-T Pantone 2747 C §
A9298-T Duranodic Pantone 412 C	UC 900-198-T Pantone 412 C	A9619-T Pantone 321 C Night Tide	UC 900-619-T Pantone 321 C §
A9308-T Pantone 186 C Strawberry	UC 900-408-T Pantone 186 C §	A9622-T Pantone 322 C Medium Teal	UC 900-722-T Pantone 322 C §
A9316-T Pantone 485 C Flame	UC 900-421-T Pantone 485 C §	A9626-T Pantone 354 C Clover Green	UC 900-726-T Pantone 354 C §
A9324-T Light Tomato Red	UC 900-424-T Light Tomato Red	A9634-T Pantone 375 C Jungle Green	UC 900-734-T Pantone 375 C §
A9327-T Pantone 200 C Scarlet Red	UC 900-427-T Pantone 200 C §	A9641-T Real Green	UC 900-741-T Real Green
A9330-T Cardinal Red	UC 900-430-T Cardinal Red	A9662-T Pantone 355 C Vivid Green	UC 900-762-T Pantone 355 C
A9340-T Red	UC 900-440-T Red §	A9676-T Pantone 7483 C Army Green	UC 900-776-T Pantone 7483 C

COMMENTS:

NOTE: Some color fade may occur in severe environmental areas. Reference IB 1.30 for durability guidelines. Duranodic and Black are effectively opaque in most signage application.

Δ - 3 year durability
± - 6 year durability
§ - 7 year durability

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.

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Page 3 of 4

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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

Avery Dennison is a registered trademark of Avery Dennison Corp.

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Page 4 of 4

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