

Avery Dennison® UC 900 Ultimate Cast Series

Translucent Permanent Transparent Synthetic

(formerly: Translucent Permanent Kraft)

Revision: 5 Dated: 04/18/17

Uses:

Avery Dennison 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 Dennison 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: 2.5 mil (64 microns) cast film



Adhesive: Clear Permanent Acrylic



Liner: 3.0 mil Transparent Synthetic



Durability: Up to 9 years

Application Surfaces:

Flat

Features:

- Available in Pantone® Color simulations
- Outstanding durability and outdoor performance
- PET liner for easy converting and wet application
- PET liner for smooth consistent finish
- Matte 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)

Conversion:

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

Common Applications:

- Architectural Signage
- Directional Signage
- Outdoor Advertising

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Physical Characteristics:

Property		Typical Values
Caliper, face		2.5 mil (64 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	Measured @ 60°	20 GU
Adhesion:	15 min	2.2 lbs/in (385 N/m)
	24 hr	3.0 lbs/in (525 N/m)
Flammability		Self Extinguishing
Shelf-Life		2 years from date of manufacture when stored at the following temperatures and humidity conditions 68°-77° F (20° - 25° C) and 50±5% R. H.
Durability	Vertical Exposure	Up to 9 years Reference color and durability charts in this data sheet. See page 3
Min. Application Temperature		40° F (4° C)
Service Temperature		-50° to 180° F (-45° to 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.

Data represents average values where applicable, and is not intended for specification purposes.

Warranty:

This Warranty applies to the Product listed in this Data Sheet. All statements, technical information (including physical and chemical characteristics) 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 subject to the Purchaser's assent and agreement that Purchaser is responsible for, and has independently determined, the suitability of such products for its purposes or its customer's purposes. Avery Dennison graphics products are warranted to be free from defects in material and workmanship for two years from the date of manufacture. When the product is properly applied, the warranty period is as stated in the product's specific Product Data Sheet in effect at the time of shipment to Avery Dennison's customer.

Such time periods are subject in either case to the proper storing and application of said product, and the failure to properly store or apply the product, including without limitation the failure to follow any applicable Instructional Bulletin, negates any warranty. 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 exclusively to: (a) repair or replacement of defective product without charge at Avery Dennison's plant or at the location of the product (at Avery Dennison's election), or (b) in the event repair or replacement are not commercially practical, a credit amount up to the price of the product taking into account the defect in the product in Avery Dennison's sole discretion.

THE WARRANTY EXPRESSLY SET FORTH ABOVE IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR USE AND/OR NON-INFRINGEMENT. SELLER 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.

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.

All sales and contracts for sale of Products are subject to Purchaser's assent and agreement to this Warranty. Avery Dennison hereby objects to any terms or conditions contained in any purchase order or other communication of any kind from the Purchaser that is conflicting, inconsistent or additional to this Agreement.

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UC900 Colors & Expected Durability

Vertical Durability for Zone 1 vertical applications is noted in the chart below. Color samples are available from samples.graphics@averydennison.com, or through your sales or customer service contact. Reference Instructional Bulletin 1.30 for zones by geographic location.

UC 900 Translucent Series Name	Item #'s	Durability Zone 1 Years
UC900-101-T White	9001T	9
UC900-181-T PANTONE® Process Black C	9081T	9
UC900-198-T PANTONE® 412 C	9298T	9
UC900-216-T PANTONE® 109 C	9113T	7
UC900-214-T PANTONE® 116 C	9114T	9
UC900-243-T PANTONE® 1235 C	9143T	7
UC900-361-T PANTONE® 1655 C	9161T	7
UC900-360-T Orange	9180T	9
UC900-254-T Vivid Gold	9248T	3
UC900-408-T PANTONE® 186 C	9308T	7
UC900-421-T PANTONE® 485 C	9316T	7
UC900-424-T Light Tomato Red	9324T	9
UC900-427-T PANTONE® 200 C	9327T	7
UC900-434-T Vivid Red (no change in color) (formerly UC900-430-T Cardinal Red)	9330T	9
UC900-440-T Red	9340T	9
UC900-468-T PANTONE® 188 C	9368T	7
UC900-470-T Burgundy	9370T	7
UC900-516-T PANTONE® 214 C	9416T	6
UC900-546-T PANTONE® 2622 C	9446T	7
UC900-560-T PANTONE® 266 C	9460T	6
UC900-602-T PANTONE® 277 C	9502T	7

UC 900 Translucent Series Name	Item #'s	Durability Zone 1 Years
UC900-603-T PANTONE® 279 C	9503T	7
UC900-626-T PANTONE® 285 C	9526T	7
UC900-661-T PANTONE® 3005 C	9561T	7
UC900-668-T PANTONE® 2945 C	9566T	7
UC900-684-T PANTONE® 288 C	9584T	7
UC900-686-T Cobalt Blue	9586T	7
UC900-685-T PANTONE® 281 C	9588T	7
UC900-691-T Twilight Blue	9591T	7
UC900-692-T Real Blue	9592T	9
UC900-693-T PANTONE® 2747 C	9593T	7
UC900-619-T PANTONE® 321 C	9619T	7
UC900-722-T PANTONE® 322 C	9622T	7
UC900-726-T PANTONE® 354 C	9626T	7
UC900-734-T PANTONE® 375 C	9634T	7
UC900-762-T PANTONE® 355 C	9662T	7
UC900-783-T PANTONE® 349 C	9683T	7
UC900-792-T Holly Green	9692T	7
UC900-811-T PANTONE® 427 C ■	9011T	9
UC900-837-T PANTONE® 430 C	9047T	9
UC900-869-T PANTONE® 877 C	9069T	3

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 applications.

Discontinued Colors:

UC900 Translucent Series Name	Item #'s	Vertical Durability Zone 1 Years	Date
UC900-211-T PANTONE® 012 C	9111T	7	01/01/17
UC900-218-T PANTONE® 7500 C	9217T	7	01/01/17
UC900-667-T PANTONE® 274 C	9467T	7	01/01/17
UC900-741-T Real Green	9641T	9	01/01/17

UC900 Translucent Series Name	Item #'s	Vertical Durability Zone 1 Years	Date
UC900-776-T PANTONE® 7483 C	9676T	7	01/01/17
UC900-951-T PANTONE® 155 C	9251T	7	01/01/17
UC900-952-T PANTONE® 466 C	9252T	7	01/01/17

Color Matching:

Fast turnaround service is offered for projects where specific color needs cannot be obtained from the broad offering of stock colors. Matches can be made to Pantone® color references, or by submitting a small reference sample (minimum 4" x 4") For match requirements, contact your Avery Dennison® representative.

Pantone® Cross Reference:

Avery Dennison® has been certified to produce custom color films matching Pantone® color number references. A range of pre-matched Pantone® colors are available for ease of use for designers and sign makers. Custom color matches are available by referencing the Pantone® color system. For match requirements, contact your Avery Dennison® representative.

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Related Literature:

The following Avery Dennison literature will provide complete information to the user for proper application, storage, and other requirements and is available upon request from your Avery Dennison representative or from the Avery Dennison website (www.graphics.averydennison.com).

Document Title	Reference Number
Substrate Cleaning and Preparation	Instructional Bulletin # 1.10
Storage, Maintenance, and Cleaning of PVC Films	Instructional Bulletin # 1.20
Warranty of Avery Dennison Films	Instructional Bulletin # 1.30
Converting Tips for Sign Films	Instructional Bulletin # 2.10
Thermoforming of Translucent Films	Instructional Bulletin # 2.20
Applying Translucent Films to Flex Face	Instructional Bulletin # 4.01

Revisions are italicized

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