

# Avery Dennison® SC 900 Super Cast Series

Metallics, Ultra Metallics Permanent Kraft or Staflat™

Revision: 6 Dated: 01/23/17

## Uses:

Avery Dennison® 900 Super Cast Metallic & Ultra Metallic Series cast vinyl film is a premium quality, flexible, opaque solid color, high gloss metallic vinyl film designed for use as a premium architectural, transportation, striping, accent graphics, and general signage markings. Avery Dennison SC 900 Metallic & Ultra Metallic offers exceptional value for applications requiring extended durability.



**Face:** 2.0 mil (50µm)



**Adhesive:** Permanent Acrylic (clear or gray)



**Liner:**

Metallics - 83# Kraft or 90# StaFlat  
Ultra Metallics – 78# white, poly-coated or 90# StaFlat



**Durability:**

Ultra Metallic – Up to 5 years  
Metallic – Up to 7 years

**Application Surfaces:**

Ultra Metallics – Flat  
Metallics - Flat, Flat & Rivets

## 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)

## Conversion:

- Thermal Die-Cutting
- Flat Bed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting
- Thermal Transfer
- Screen Printing(StaFlat)

## Common Applications:

- Trucks
- Trailers
- Cars & Vans
- Marine
- Architectural Signage
- Directional Signage
- Emergency Vehicles
- Roll Stripes
- Trains & light rail
- Buses
- Outdoor advertising

## Product Data Sheet

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Customer Service: 800-282-8379

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## Physical Characteristics:

Property	Typical Values	
Caliper, face	2.0 mil (50µm)	
Caliper, adhesive	1.3 mil (25 µm)	
Dimensional stability	<0.015"(0.4mm)	
Tensile at Yield	4.0-8.0lb/in (0.7-1.5 kg/cm)	
Elongation	75% min.	
Gloss	Measured @ 60°	Gloss - >85 GU
Adhesion SS	15min.	2.50 lbs/in (437.5 N/m)
Gelcoat	15 min.	2.60 lbs/in (455 N/m)
	24 hr.	2.80 lbs/in (490 N/m)
Painted Alum	15 min	2.20 lbs/in (385 N/m)
	24 hr.	2.80 lbs/in (490 N/m)
Filon	15 min	2.20 lbs/in (385 N/m)
	24 hr.	2.50 lbs/in (437.5 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 Zone 1	
	Ultra Metallic	Up to 5 years
	Metallic	Up to 7 years
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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## Durability:

SC900 Metallic Series Name	Item #’s	Durability Zone 1 Vertical Years
SC900-101-S White Pearlescent ◊	SC5827s	5
SC900-190-M Black	SC7711m	7
SC900-207-M Champagne Mist	SC5720m	5
SC900-213-M Bright Gold	SC3713m	1
SC900-215-M Gold	SC3715m	3
SC900-217-M Light Gold	SC3717m	3
SC900-440-M Red	SC7738m	6
SC900-455-M Autumn Maple	SC7740m	6
SC900-565-M Purple	SC7760m	7
SC900-641-M Mist Blue	SC7742m	7
SC900-646-M Bright Blue	SC7746m	7
SC900-647-M Electric Blue	SC7747m	7
SC900-651-M Grand Blue	SC7751m	7
SC900-653-M Dark Royal Blue	SC7753m	7

◊- pigmented adhesive not reversible

SC900 Metallic Series Name	Item #’s	Durability Zone 1 Vertical Years
SC900-683-M Royal Blue	SC7749m	7
SC900-730-M Dark Teal	SC7767m	7
SC900-779-M Hunter Green	SC7770m	7
SC900-801-M Silver	SC5701m	5
SC900-804-M Pewter	SC7704m	7
SC900-805-M Charcoal	SC7705m	7
SC900-806-M Gunmetal	SC7706m	7
SC900-808-M Medium Charcoal	SC7708m	7
SC900-809-M Dark Charcoal	SC7709m	7
SC900-923-M Light Briar Brown	SC7723m	7
SC900-928-M Antique Bronze	SC5728m	5
SC900-930-M Bronze	SC3730m	3
SC900-932-M Copper	SC5732m	5

SC900 Ultra Metallic Series Name	Item #’s	Durability Zone 1 Vertical Years
SC900-160-S White Sparkle ◊	SC3860S	5
SC900-195-M Ultra Black ◊	SC8778M	5
SC900-219-M Ultra Gold ◊	SC5779M	5
SC900-481-M Ultra Red ◊	SC5781M	5
SC900-585-M Ultra Rose Quartz ◊	SC5785M	5

◊- pigmented adhesive not reversible

SC900 Ultra Metallic Series Name	Item #’s	Durability Zone 1 Vertical Years
SC900-586-M Ultra Amethyst	SC5786M	5
SC900-688-M Ultra Blue	SC5788M	5
SC900-694-M Ultra Cobalt	SC5790M	5
SC900-877-M Ultra Silver	SC5777M	5

## Discontinued Colors:

SC900 Metallic Series Name	Item #’s	Vertical Durability Zone 1 Years	Date
SC900-644-M Sea Blue	SC7744m	7	01/01/17
SC900-784-M Pine Green	SC7772m	7	01/01/17

SC900 Ultra Metallic Series Name	Item #’s	Vertical Durability Zone 1 Years	Date
SC900-791-M Ultra Beryl	SC5791M	5	01/01/17

## Related Documents:

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](http://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
Sericol TMI II Screen Inks: Metallics	Instructional Bulletin #3.20
Sericol TMI II Screen Inks: Four Color Process	Instructional Bulletin #3.21
Sericol TMI Screen Inks: Opaques, Transluents, and Transparents	Instructional Bulletin #3.22
Sericol UTMI II Overprint Clear Coat	Instructional Bulletin #3.23
Sericol TMI II 1000 Overprint Clear Coat	Instructional Bulletin #3.24
Nazdar 3500 UV Fleet	Instructional Bulletin #3.30
Application Instructions for Avery Dennison® Films	Instructional Bulletin #4.00
Removal Instructions	Instructional Bulletin #4.10
Thermal Transfer Printing, Converting, Operating, and Product Instructions	Instructional Bulletin #5.10
Premask Recommendations	Instructional Bulletin #5.50
Stainless Steel Application Outdoor Durability	Instructional Bulletin #6.80

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Revisions are italicized

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