

Avery Dennison® SC 900 Opaque Super Cast Series

Opaque LTR Easy Apply™

Revision: 3 Dated: 10/08/15

Uses:

Avery Dennison® SC 900 Opaque Easy Apply high performance Super Cast vinyl films are premium quality, flexible, opaque solid color, high gloss, thin, vinyl films designed for use in architectural, transportation and general signage markings requiring ease of use during application. Easy Apply™ technology is a revolutionary way to maximize productivity, making projects quicker and easier. The embossed liner creates air egress channels in the adhesive providing smooth coverage and fewer wrinkles.



Face: 2.0 mil (50 microns) high gloss cast film



Adhesive: Permanent Acrylic (clear, gray, or white)



Liner: 90# StaFlat, Poly-Coated with Avery Graphics Easy Apply™ technology

Application Surfaces: Flat, Flat with Rivets, Corrugations. Deep Recesses

Features:

- Superior conformability to irregular substrates
 - Deeply concave shaped
 - Extremely convex shaped
 - Best performance on rivets
 - Best conformance in channels
- Outstanding durability and outdoor performance
- High gloss finish
- Excellent conversion on CAD plotters
- Excellent dimensional stability
- Excellent UV, temperature, humidity, and salt-spray resistance
- Custom colors available (contact your sales representative)
- Easy apply feature helps eliminate wrinkles and bubbles during application
- Meets CPSIA standards for limitations on lead and phthalates – White & Clear Only

Conversion:

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

Common Applications:

- Trucks
- Trailers
- Cars & Vans
- Marine
- Architectural Signage
- Directional Signage
- Emergency Vehicles
- Trains & Light Rail
- Roll Striping
- Buses
- Outdoor Advertising

Product Data Sheet

Page 1 of 3



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graphics@averydennison.com
Customer Service: 800-282-8379

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Physical Characteristics:

Property	Typical Values	
Caliper, face	2.0 mil (50µm)	
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	150% min.	
Gloss	Measured @ 60°	90 GU
Adhesion: (Stainless Steel)	15 min	1.8 lbs/in (315 N/m)
	24 hr	2.1 lbs/in (367 N/m)
	1 week	4.0 lbs/in (700 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	Reference color and warranty charts in this data sheet.	
Flammability	Self Extinguishing	
Min. Application Temperature	45° F (7° C) Flat without rivets 50° F (10° C) Flat w/ rivets	
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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Page 2 of 3



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Solutions

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Related Documents:

The following Avery Dennison literature will provide necessary 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
<i>Substrate Cleaning and Preparation</i>	<i>Instructional Bulletin # 1.10</i>
<i>Storage, Maintenance and Cleaning of PVC Films</i>	<i>Instructional Bulletin # 1.20</i>
<i>Durability of Films</i>	<i>Instructional Bulletin # 1.30</i>
<i>Converting Tips for Sign Films</i>	<i>Instructional Bulletin # 2.10</i>
<i>Ink recommendations for Cast, Reflective, Calendered, and Specialty Products</i>	<i>Instructional Bulletin # 3.00</i>
<i>Sericol TMI II Screen Inks: Metallics</i>	<i>Instructional Bulletin # 3.20</i>
<i>Sericol TMI II Screen Inks: Four Color Process</i>	<i>Instructional Bulletin # 3.21</i>
<i>Sericol TMI Screen Inks: Opaques, Transluents, and Transparents</i>	<i>Instructional Bulletin # 3.22</i>
<i>Sericol UTMI II Overprint Clear Coat</i>	<i>Instructional Bulletin # 3.23</i>
<i>Sericol TMI II 1000 Overprint Clear Coat</i>	<i>Instructional Bulletin # 3.24</i>
<i>Nazdar 3500 UV Fleet</i>	<i>Instructional Bulletin # 3.30</i>
<i>Application Instructions for Avery Dennison® Films</i>	<i>Instructional Bulletin # 4.00</i>
<i>Removal Instructions for Avery Cast, Calendered, Reflective, and Polyester Films</i>	<i>Instructional Bulletin # 4.10</i>
<i>Thermal Transfer Printing, Converting, Operating, and Product Instructions</i>	<i>Instructional Bulletin # 5.10</i>
<i>Tips for Overlaminating, Premasking & Packaging Graphics</i>	<i>Instructional Bulletin # 5.50</i>
<i>Stainless Steel Application Outdoor Durability</i>	<i>Tech Bulletin</i>

SC 900 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 IB 1.30 for zones by geographic location.

SC900 Opaque Series Name	Item #'s	Vertical Durability Zone 1 Years
<i>SC900-108-O Cover White</i>	<i>SC9006o</i>	<i>12</i>
<i>SC900-190-O Black</i>	<i>SC9090o</i>	<i>12</i>
<i>SC900-220-O Canary Yellow</i>	<i>SC9120o</i>	<i>10</i>

SC900 Opaque Series Name	Item #'s	Vertical Durability Zone 1 Years
<i>SC900-425-O Tomato Red</i>	<i>SC9325o</i>	<i>10</i>
<i>SC900-430-O Cardinal Red</i>	<i>SC9330o</i>	<i>10</i>
<i>SC900-670-O Vivid Blue</i>	<i>SC9570o</i>	<i>10</i>

Revisions are italicized

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Product Data Sheet

Page 3 of 3



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