

Avery Dennison® SC 900 Super Cast Series

Opaque Hi Tack Kraft & StaFlat™

Revision: 2 Dated: 07/23/15

Uses:

Avery Dennison® SC 900 Super Cast Hi Tack are premium quality, flexible, opaque solid color high gloss vinyl films with a proprietary adhesive system designed for use in demanding applications. The adhesive system is ideally suited for use on low energy substrates such as plastics, powder coat paints, fiberglass, and painted metal surfaces. This construction provides excellent cutting, weeding, and transferring characteristics for a wide range of outdoor advertising, fleet marking, of outdoor uses where excellent durability, conformability, color and gloss are required.



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



Adhesive: Hi Tack Permanent Clear, High Performance Acrylic



Liner: 83# Kraft or 90# StaFlat



Durability: Up to 12 years

Application Surfaces:

Flat, Flat with Rivets, Corrugations, Deep Recesses.

Features:

- Superior conformability to irregular surfaces:
 - Deeply concave shaped
 - Extremely convex shaped
 - Compound (concave & convex) shaped
 - Best performance on rivets
 - Best performance in channels
- Outstanding durability and outdoor performance
- Dimensionally stable liner for easy converting
- High gloss finish
- Excellent conversion on CAD plotters
- Excellent UV, temperature, humidity, and salt-spray resistance
- Custom colors available (contact your sales representative)
- Specialty adhesive for use on difficult substrates like powder coat paint and plastics

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
- Emergency Vehicle
- Trains & Rail
- Buses
- Architectural Signage
- Outdoor Advertising
- Way finding Signage
- Recreational Vehicles

Product Data Sheet

Page 1 of 3



Graphics Solutions

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

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Physical Characteristics:

Property	Typical Value						
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	90 GU						
Adhesion (24 hr.)							
LSE Plastics	4.1 lbs/in (718 N/m)						
LSE Clearcoats	4.3 lbs/in (753 N/m)						
LSE Paints	4.5 lbs/in (788 N/m)						
LSE Textured substrates	3.5 lbs/in (613 N/m)						
Stainless Steel	5.5 lbs/in (963 N/m)						
<i>LSE – Low Surface Energy</i>							
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	<table border="0"> <tr> <td>Vertical Exposure</td> <td></td> </tr> <tr> <td>Black & White</td> <td>12 years</td> </tr> <tr> <td>Colors & Clear</td> <td>Up to 10 years</td> </tr> </table>	Vertical Exposure		Black & White	12 years	Colors & Clear	Up to 10 years
Vertical Exposure							
Black & White	12 years						
Colors & Clear	Up to 10 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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Page 2 of 3



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Absence of banned substances:

Avery Dennison[™] Black, White, and Clear SuperCast films meet the following European Directives.

EU Directive 94/62 on packaging and packaging waste Article 11 : Max. sum of concentration levels of lead, cadmium, mercury and hexavalent chromium: < 100 ppm.

EU Directive 2002/96/EC on restrictions of use of hazardous substances in electrical and electronic equipment Article 4.1: no contents of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenylethers (PBDE).

EU Directive 2000/53/EC on end-of life of vehicles article 4.2.(a) : no contents of lead, mercury, cadmium or hexavalent chromium.

Revisions are italicized

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Page 3 of 3



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