

Avery Dennison® SC 900 Super Cast Series

Opaque Hi Tack Easy Apply™

Revision: 0 Dated: 02/17/15

Uses:

Avery Dennison SC900 Super Cast Hi Tack Easy Apply is an opaque, solid color, high gloss, premium flexible vinyl film with a proprietary adhesive system designed for demanding applications requiring high performance adhesion to low energy substrates. This construction provides excellent cutting, weeding, and transferring characteristics for a wide range of outdoor advertising and fleet marking applications, where excellent durability, conformability, color stability and gloss are required.



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



Adhesive: Clear, High Performance Acrylic



Liner: 90# Avery Dennison Easy Apply technology



Durability: Up to 12 years

Application Surfaces:

Flat, Flat with Rivets, Corrugations and Deep Recesses.

Features:

- Excellent for OEM durable decal applications
- Superior conformability to irregular surfaces
- Outstanding durability and long-term outdoor performance
- Excellent UV, temperature, humidity, and salt-spray resistance
- High performance adhesive for use on difficult substrates like fiberglass, powder coat paint, clear coats, painted metal and plastics
- Dimensionally stable liner for easy converting
- Air egress technology for bubble free application
- Excellent conversion on CAD plotters
- Low shrinkage after application

Conversion:

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

Common Applications:

- Heavy Equipment
- Trucks and Trailers
- Buses and Transit
- Rail Car
- Commuter Rail
- Snow and Marine

Product Data Sheet

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Graphics Solutions

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Customer Service: 800-282-8379

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Physical Characteristics:

Property	Value
Caliper, face	2.0 mil (50µm)
Caliper, adhesive	1.0mil (25 µm)
Dimensional stability	<0.015"(0.4 mm)
Tensile at Yield	4.0 - 8.0 lb/in (0.7–1.5 kg/cm)
Elongation	150% min.
Gloss	90%
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 LSE – Low Surface Energy	5.5 lbs/in (963 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
	Black & White
	Colors & Clear
	12 years
	Up to 10 years
Opacity	SC 900-108 Cover White
	SC 900-190 Black
	100%
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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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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Pantone is a registered trademark of Pantone LLC, and X-Rite Inc.

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