

Avery Dennison® SC 900 Super Cast Series

Opaque Hi Tack Kraft, Staflat™ & Easy Apply

Revision: 3 Dated: 02/22/19

Uses:

Avery Dennison® SC900 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, 90# StaFlat™ or 90# Avery Dennison Easy Apply technology



Durability: Up to 12 years

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

Features:

- Excellent for OEM durable decal applications
- Superior conformability to irregular surfaces:
- Outstanding durability and long-term 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
- Low shrinkage after application
- Air egress technology for bubble free application

Conversion:

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

Common Applications:

- Trucks
- Trailers
- Cars & Vans
- Architectural Signage
- Trains & light rail
- OEM durable decals
- Buses

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Solutions

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

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Physical Characteristics:

Property	Measurement	Typical Value
Caliper, face		2.0 mil (50µm)
Caliper, adhesive		1.0 mil (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	Hunter Gloss @ 60 degrees	90 GU
Adhesion:	24 hour LSE Plastics LSE Clearcoats LSE Paints LSE Textured substrates Stainless Steel	4.1 lbs/in (718 N/m) 4.3 lbs/in (753 N/m) 4.5 lbs/in (788 N/m) 3.5 lbs/in (613 N/m) 5.5 lbs/in (963 N/m) LSE – Low Surface Energy
Flammability	Self Extinguishing	
Shelf-Life		2 years from the 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	12 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. Resists exposure to fuel vapors and occasional fuel spills.

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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 products are warranted to be free from defects in material and workmanship (i) for two years from the date of manufacture, or (ii) from the date of manufacture until the expiration of the period stated on the specific Product Data Sheet in effect at the time of delivery. 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.

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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.

NOTE: Some color fade may occur in severe environmental areas. Reference IB 1.30 for durability guidelines.

Colors Cross Reference - Opaque:

KR = Kraft liner

SF = StaFlat liner

SC950 Series Name	Vertical Durability Zone 1 Years
SC900-108-O Cover White HITAC KR	12
SC900-108-O Cover White HITAC SF	12
SC900-190-O Black HITAC SF	12
SC900-108-O Cover White HITAC EZ	12
SC900-190-O Black HITAC EZ	12

NOTE: Some color fade may occur in severe environmental areas. Reference IB 1.30 for durability guidelines.

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