

PRODUCT DATA SHEET

Avery Dennison® 900 Screen

Issued: 06/2021

Introduction

Avery Dennison 900 Screen is a premium quality cast film for a wide variety of screenprinted graphics, including riveted, corrugated and otherwise structured substrates. This series is available in the following colours: 900 Screen White, and 940 Screen Transparent.

Conversion

Avery Dennison 900 Screen films can be screen printed with high quality vinyl screen inks. Avery Dennison 900 Screen films have excellent die-cutting characteristics.

Recommendations

- » Vehicle graphics.
- » Markings on boats, yachts, caravans and campers.
- » Interior graphics.
- » Exterior building decorations and markings.
- » Original equipment identification.
- » Interior and exterior markings for military and commercial vehicles.

Features

- » Excellent sheet stability for exact register at screenprinting.
- » Excellent printability, conversion and application characteristics.
- » Good conformability to irregular substrates.
- » High gloss for superior appearance.
- » Excellent dimensional stability during use.
- » Excellent outdoor durability, UV-light, humidity and saltspray resistance.

Custom colours

Colours and a colour matching service are available for projects where specific colours are required (min. order quantity 1000 m²)



Face Film

Premium quality, 50 micron, high gloss cast vinyl



Adhesive

Permanent adhesive, acrylic based



Backing

Two side polyethylene coated kraft paper



Durability

Up to 10 years outdoor (vertical exposure)



Shelf Life

2 years stored at 22°C/50%RH

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	50
Caliper, facefilm + adhesive (micron)	ISO 534	80
Gloss (%)	ISO 2813, 20°	50%
Dimensional stability (mm max.)	FINAT FTM 14	0.2
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Vertical exposure	
White		10
Transparent		8
Adhesive		
Tensile strength (kN/m)	DIN ISO 527-3	1.1
Elongation (%)	DIN ISO 527-3	50%
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	540
Adhesion, ultimate (N/m)	FINAT FTM-1, stainless steel	720
Flammability		Self-extinguishing
Temperature range		
Application temperature (Minimum: °C)		+10
Service temperature (°C to +°C)		-50 to +110
Chemical properties		
Humidity resistance	200 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion	No effect
Sea Water resistance	BS5609:1986 section 2	No effect
	3 months immersion	
Chemical/Solvent resistance (applied to aluminium)		Adhesion in N/m
Gasoline	1 hour immersion time	600
Diesel Oil, transformer oil, SAE motoroil, antifreeze, distilled water 65°C	24 hours immersion time	600
Detergent solution 65°C	8 hours immersion time	600
Kerosene	24 hours immersion time	600

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

1) Test methods: More information about our test methods can be found on our website.

2) Durability: The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure

such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.

Avery Dennison warrants that its Products meet its specifications. Avery Dennison gives no other express or implied guarantees or warranties with respect to the Products, including, but not limited to, any implied warranties of merchantability, fitness for any particular use and/or non infringement. All Avery Dennison products are sold with the understanding that the purchaser has independently determined the suitability of such products for its purposes. The period of warranty is one (1) year from the date of shipment unless expressly provided otherwise in the product data sheet. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>.

Avery Dennison's aggregate liability to Purchaser, whether for negligence, breach of contract, misrepresentation or otherwise, shall in no circumstances exceed the price of the defective, non-conforming, damaged or undelivered Products which give rise to such liability as determined by net price invoices to Purchaser in respect of any occurrence or series of occurrences. In no circumstances shall Avery Dennison be liable to Purchaser for any indirect, incidental or consequential loss, damage or injury, including without limitation, loss of anticipated profits, goodwill, reputation, or losses or expenses resulting from third party claims.

© 2024 Avery Dennison Corporation. All rights reserved. Avery Dennison and all other Avery Dennison brands, this publication, its content, product names and codes are owned by Avery Dennison Corporation. All other brands and product names are trademarks of their respective owners. This publication must not be used, copied or reproduced in whole or in part for any purposes other than marketing by Avery Dennison.