

Avery Dennison® SF 100 Fluorescent Series

Permanent Kraft

(formerly: A0 Fluorescent Series – 78#)

Revision: 1 Dated: 11/26/13

Uses:

Avery Dennison® Fluorescent cast vinyl films are designed for short-term exterior safety, promotional and high visibility applications. This construction provides an attractive appearance and easy cutting, weeding and transferring characteristics for promotional signage applications.



Face: 2.2 mil (56 microns) high gloss cast film



Adhesive: Permanent White Acrylic



Liner: 78# Bleached Kraft



Durability: 3-6 months

Application Surfaces:

Flat, Simple Curves

Features:

- Short Term durability and outdoor performance
- Dimensionally stable liner for easy converting
- High gloss finish
- Excellent conversion on CAD plotters
- Easy cutting & weeding
- Good dimensional stability
- Good UV, temperature, humidity, and salt-spray resistance

Conversion:

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

Common Applications:

- Trailers
- Banners
- Short Term Applications
- Architectural Signage
- Directional Signage
- Indoor Signage
- Outdoor advertising

Product Data Sheet

Page 1 of 3



Graphics and
Reflective Solutions

averygraphics.com
AnswerLine: 800-231-4654

Avery Dennison® SF 100 Fluorescent Series

Permanent Kraft

(formerly: A0 Fluorescent Series – 78#)

Revision: 1 Dated: 11/26/13

Physical Characteristics:

Property	Value
Caliper, face	2.2 mil (56 µm)
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	50% min.
Gloss	90% ± 10
Adhesion: 24 hr	3.5 lbs/in (770 N/m)
1 week	4.0 lbs/in (600 N/m)
Flammability	Self Extinguishing
Shelf-Life	<i>2 years from date on label (up to 2 years unprocessed, OR process within one year and apply within 1 year of processing)</i>
Durability	Vertical Exposure 3-6 months
Min. Application Temperature	50° F (10° C)
Service Temperature	-50° - 180°F (-40° - 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.

Important:

Information on physical and chemical characteristics are based on tests believed to be reliable. The values are intended only as a source of information. This information is given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of any material for their specific purpose. (Data represents average values where applicable, and is not intended for specification purposes)

Warranty:

All statements, technical information 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 with the understanding that Purchaser has independently determined the suitability of such products for its purposes. Avery Dennison products are warranted to be free from defects in material and workmanship for either *two year* (or the period stated on the specific product information literature in effect at time of delivery, if longer) from date of shipment if said product is properly stored and applied. 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 to repair or replacement of defective product without charge at Avery Dennison's plant or at the location of product (at Avery Dennison's election), or in the event replacement or repairs is not commercially practical, to Avery Dennison's issuing Purchaser a credit reasonable in light of the defect in the product.

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.

NO EXPRESS WARRANTIES AND NO IMPLIED WARRANTIES, WHETHER OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE, OR OTHERWISE (EXCEPT AS TO TITLE), OTHER THAN THOSE EXPRESSLY SET FORTH ABOVE WHICH ARE MADE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, SHALL APPLY TO PRODUCTS SOLD BY AVERY DENNISON. AVERY DENNISON 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.

Product Data Sheet

Page 2 of 3



Graphics and
Reflective Solutions

averygraphics.com
AnswerLine: 800-231-4654

Avery Dennison® SF 100 Fluorescent Series

Permanent Kraft

(formerly: A0 Fluorescent Series – 78#)

Revision: 1 Dated: 11/26/13

Colors: Cross Reference

SPECIALTY SERIES - 78#	AVERY Dennison® 100 SPECIALTY FILMS PERMANENT KRAFT	SPECIALTY SERIES - 78#	AVERY Dennison® 100 SPECIALTY FILMS PERMANENT KRAFT
A0829-S Yellow Fluorescent	SF 100-229-S Yellow Fluorescent	A0833-S Blue Fluorescent	SF 100-631-S Blue Fluorescent
A0830-S Orange Fluorescent	SF 100-330-S Orange Fluorescent	A0834-S Green Fluorescent	SF 100-735-S Green Fluorescent
A0831-S Red Fluorescent	SF 100-431-S Red Fluorescent	A0835-S Magenta Fluorescent	SF 100-534-S Magenta Fluorescent
A0832-S Pink Fluorescent	SF 100-532-S Pink Fluorescent		

COMMENTS:

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

Dimensional stability:

Is measured on a 6" x 6" (150 x 150 mm) aluminum panel to which a specimen has been applied; 72 hours after application the panel is scored in a cross pattern, exposed for 48 hours to 150°F (65°C), after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel panel, 24 hours after the specimen has been applied under standardized conditions. Initial adhesion is measured 15 minutes after application of the specimen.

Flammability:

A specimen applied to aluminum is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Revisions are italicized

Avery Dennison is a registered trademark of Avery Dennison Corp.

Product Data Sheet

Page 3 of 3



Graphics and
Reflective Solutions

averygraphics.com
AnswerLine: 800-231-4654