

Avery[®] SF 100 Leaf Films

Vinyl - Permanent – Kraft

(formerly: Specialty Leaf Vinyl Films)

Revision: New Dated: 1/6/2009

Uses:

Avery Graphics[™] SF 100 Series Leaf films are polymeric cast vinyl films with a three dimensional illusionary pattern. Avery Graphics SF 100 Series Leaf films are coated with a permanent acrylic adhesive, which ensures excellent adhesion to a variety of surfaces throughout its long outdoor exposure.



Face: 4.0 mil (101 µm)
Metallized Rigid film



Adhesive: Clear Permanent
Acrylic



Liner: 78# Kraft



Durability: Up to 3 years

**Application
Surfaces:**

Flat,

Features:

- Outstanding durability and outdoor performance
- Dimensionally stable liner for easy converting
- Excellent conversion on CAD plotters
- Easy cutting & weeding
- Excellent dimensional stability
- Excellent UV, temperature, humidity, and salt-spray resistance
- Eye catching special effects
- High end gold leaf look

Conversion:

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

- Thermal Transfer
- Screen Printing
- Cold Overlaminating
- Water based inkjet

- Solvent based inkjet
- Mild/Eco Solvent inkjet
- UV inkjet

Common Applications:

Architectural Signage
Directional Signage

Outdoor advertising
Vehicle Graphics

Nameplates
Emblems

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Physical Characteristics:

Property	Value
Caliper, face	4.0 mil (101 µm)
Caliper, adhesive	1.0mil (25 µm)
Dimensional stability	Without liner <0.032" when exposed to 23C for 8 hours, and no more than 0.125" after 24 hrs, for a 9" square.
Tensile at Yield	8 lb/in width (1.5 kg/cm)
Elongation	35% minimum
Gloss	NA
Adhesion:	24 hr. 3.2 lbs/in (560 N/m)
Flammability	Self Extinguishing
Shelf-Life	1 year
Durability	Vertical Exposure Up to 3 years
Min. Application Temperature	50°F (10°C)
Service Temperature	-30° - 165°F (-34° - 74°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 warranty 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:

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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.

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Colors: Cross Reference

SPECIALTY SERIES - 78#	AVERY 100 SPECIALTY FILMS PERMANENT KRAFT	SPECIALTY SERIES - 78#	AVERY 100 SPECIALTY FILMS PERMANENT KRAFT
A2863-S Florentine Silver Leaf	SF 100-864-S Florentine Silver Leaf	A2871-S Hammered Gold Leaf	SF 100-271-S Hammered Gold Leaf
A2864-S Florentine Gold Leaf	SF 100-265-S Florentine Gold Leaf	A5863-S Silver Leaf	SF 100-863-S Silver Leaf
A2870-S Hammered Silver Leaf	SF 100-865-S Hammered Silver Leaf	A5864-S Gold Leaf	SF 100-264-S Gold Leaf

COMMENTS:

§ - 2 year durability

Δ - 5 year durability

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

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