

Avery Dennison® SF 100-120-S Glow in the dark Calendered Vinyl

Features

- High gloss finish
- Dimensionally stable liner for easy converting
- Excellent conversion properties on computerised cutters
- Easy cutting and weeding
- Non-toxic, non-radioactive Excellent indoor durability
- Uses zero electricity

Conversion

- | | |
|--|---|
| <input checked="" type="checkbox"/> Flat bed cutters | <input type="checkbox"/> Cold overlaminating |
| <input checked="" type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Estat printing |
| <input checked="" type="checkbox"/> Die cutting | <input type="checkbox"/> Water based inkjet |
| <input type="checkbox"/> Thermal transfer | <input type="checkbox"/> Solvent inkjet |
| <input checked="" type="checkbox"/> Screen printing | <input checked="" type="checkbox"/> UV Cured inkjet |

Uses

Avery Dennison® Glow-in-the-Dark Film is a specialty photoluminescent non-coated rigid polyester film that can be used for exit and directional signs, identification of fire alarms, fire extinguishers and evacuation routes.

This product performs in accordance with ASTM 2030-06: Recommended Uses of Photoluminescent Safety Markings, meets ASTM E2072-04 Standard Specification for Photoluminescent (Phosphorescent) Safety Markings.

Description



Film: 152 micron specialty polyester



Adhesive: Clear permanent acrylic



Backing: 78# Kraft



Indoor life:
Up to 5 years,
INDOOR USE ONLY

Common Applications

- Safety Signs
- Emergency Exit
- Markings
- Evacuation Signs
- Illuminate Pathways
- Location Signs

Physical characteristics

General

Calliper, face film	ISO 534	152 micron
Calliper, face film & adhesive	ISO 534	202 micron
Dimensional stability	DIN 30646	<0.4 mm
Tensile strength		N/A
Elongation		N/A
Gloss	Hunter Gloss @ 60°	121 GU
Adhesion, 15 min		1208 N/m
Adhesion, 72 hours		1208 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years

Charge time of 5 minutes @ 1000 Lux will charge the sign for 10+ hours of glow time. Consistent glow life and unlimited recharge throughout service life.

Illumination	21.6 Lux (2 foot candles) for 2 hours with a 4100K cool white fluorescent lamp	
Luminance time (after illumination)		10 minutes > 25 mcd/sqm 60 minutes > 5 mcd/sqm 90 minutes > 3 mcd/sqm
Durability **	Indoor only	5 years unprinted

Thermal

Application temperature	Minimum: + 10°C
Temperature range	- 45°C to + 82°C

Chemical

Resistant to most mild acids, alkalis, and salt solutions.

Test Methods

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°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 or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium 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.

Important

Information on physical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications.

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 any material for their specific use.

All technical data is subject to change without prior notice.

Warranty

Avery Dennison® materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give guarantee, warranty, or make any representation contrary to the foregoing.

All Avery Dennison® materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

**Expected Durability

The expected durability of Avery Dennison films are defined as the expected performance life of the Avery Dennison graphic film(s) within Zone 1 of the Avery Dennison zone system, in outdoor vertical exposure conditions.

The actual performance life will depend on a variety of factors, including selection and preparation of substrate, angle and direction of exposure, application methods, environmental conditions and cleaning/maintenance of the films. In case of films used in areas of high temperatures or humidity, high altitudes and industrially polluted areas the performance will be further reduced.

Expected Durability and Warranted Period Definitions

Expected durability is the expected period of time defined in the product data sheet, the product should, but is not warranted to, perform satisfactorily when applied in vertical exposure conditions as defined in Instructional Bulletin 1.30. The warranted period as defined in the appropriate ICS Performance Guarantee Bulletin, is the maximum period of time Avery Dennison will warrant the finished products performance in accordance with ICS Performance Guarantee Terms and Conditions 1.0, provided that the film is properly stored, converted and installed in accordance with Avery Dennison guidelines.

***Information unavailable at time of printing.



Graphics
Solutions

Avery Dennison Graphics Solutions Asia Pacific

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