

Avery Photo Luminescent Tape

Glow In The Dark

Features

Sunshine or bulb light can be a source of stimulation light.

Normal indoor light degree can reach 500 -- 600LX

Versatile permanent adhesive

Excellent dimensional stability for easy converting

Non-toxic, non-radioactive

Description



Film: 120 micron Satin finish



Adhesive: 40 micron Clear permanent acrylic



Backing: 160 gsm Kraft liner



Indoor durability:** Up to 3 years - Asia Pacific

Conversion

- | | |
|--|--|
| <input checked="" type="checkbox"/> Flat bed cutters | <input type="checkbox"/> Cold overlaminating |
| <input checked="" type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Estate printing |
| <input checked="" type="checkbox"/> Thermal 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 type="checkbox"/> UV Cured inkjet |

Uses

Avery Graphics luminescence Tape is a specialty photoluminescent 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.

Common Applications

- Safety Signs
- Emergency Exit Markings
- Evacuation Signs
- Illuminate Pathways
- Location Signs
- Marine Safety Signs
- General Guiding Signs

Physical characteristics

General

Caliper, facefilm	ISO 534	120 micron
Caliper, facefilm & Adhesive	ISO 534	160 micron
Dimensional stability	DIN 30646	0.4mm Maximal
Adhesion on Stainless steel, initial	FINAT FTM-1, stainless steel	300 N/m minimal
Adhesion on Stainless steel, ultimate	FINAT FTM-1, stainless steel	500 N/m minimal
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	1 year
Durability **	Indoor	up to 3 year (unprinted)
Chemical Resistance		Resistant to most mild acids, alkalis, and salt solutions.
Luminescent duration	Hour	4-6 hours, Maximal
Luminescent value	mcd/m ²	Initial=4000, after 5 hours, > 1.0

Thermal

Application temperature		Minimum: + 10°C
Temperature range		- 20°C to + 60°C

Chemical

Humidity resistance	100 hours exposure	No effect
Saltspray resistance	120 hours exposure	No effect
Water resistance	48 hours immersion time	No effect
Solvent Resistance	Applied to aluminium: Applied to aluminium and immersed in: oils Greases, aliphatic solvents, motor oils, heptane, JP-4 fuel	No effect No effect

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.

Luminescent Value:

Initial Luminescent value refers to the value which is got by testing machine in 5 seconds after absorbing light for 15 minutes under the light source of 1000LX

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

**Durability

Durability is based on exposure conditions in the Asia Pacific region. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north in the southern hemisphere or south in the northern hemisphere; in areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased.

*Compatible with most printer and ink combinations. Test prior to use.

***Information unavailable at time of printing.

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.

Corrosion Resistance:

A specimen applied to aluminium is exposed to saline mist (5% salt) at 35°C. After exposure, the film is removed and the panel is examined for traces of corrosion.