PRODUCT DATA SHEET

Avery Dennison® Glow-in-the-dark Film

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Introduction

Avery Dennison Glow-in-the-dark Film is a specialty photoluminescent non-coated rigid polyester film that can be used for exit and directional signage, identification of fire alarms, fire extinguishers and evacuation routes.
This product performs in accordance with ASTM 2030-99: Recommended Uses of Photoluminescent Safety Markings.

Description

Facefilm: 200 micron specialty polyester film
Adhesive: clear permanent, acrylic based
Backing paper: one side coated white kraft paper, 125 g/m^2

Conversion

Avery Dennison Glow-in-the-dark Film offer excellent weeding and cutting performance on a wide range of computer sign making equipment in all popular sizes. Avery Dennison Glow-in-the-dark Film is not recommended to be thermal transfer printed, screen printed and digital printed.

Features

- Outstanding indoor durability.
- Excellent performance on flat substrates.
- High gloss for superior appearance.
- Excellent layflatness and stability during cutting and weeding.
- Excellent dimensional stability during use and application.

Recommendations for use

Avery Dennison Glow-in-the-dark Film can generally be used for lettering and emergency identification on flat surfaces.

- Direction signage
- Emergency identifications

PRODUCT CHARACTERISTICS — Avery Dennison® Glow-in-the-dark Film

Physical properties

Features	Test method[1]	Results
Caliper, facefilm	ISO 534	200 micron
Caliper, facefilm + adhesive	ISO 534	225 micron
Gloss	ISO 2813, 20º	50%
Dimensional stability	FINAT FTM 14	0,05 mm. max
Adhesion, initial	FINAT FTM-1, stainless steel	700 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	800 N/m
Flammability		self-extinguishing
Accelerated ageing	SAE J 1960, 1500h exposure	No negative impact on film performance
Shelf life	Stored at 22° C/50-55 % RH	1 year
Durability[2]	Vertical exposure	**INDOOR USE ONLY** 5 years

Temperature range

Features	Results
Application temperature	Minimum: +10° C
Temperature range	-40° to + 110°C

Chemical resistance

Features	Test method[1]	Results
Humidity resistance	200 hours exposure	No effect
Water resistance	48 hours immersion	No effect

Important

Information on physical and chemical 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 this material to their specific use.
All technical data are subject to change.

Warranty

Avery Dennison® branded 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 authorized to give any guarantee, warranty, or make any representation contrary to the foregoing.
All Avery Dennison® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

1) Test methods

More information about our test methods can be found on our website.

2) Durability

This product is not guaranteed for outdoor applications or applications in direct sunlight