

Avery® 450 General Signage Film

Promotional Vinyl Permanent

Features

- Easy cutting and weeding
- Checked liner imprint facilitates both conversion and application
- Very good outdoor performance
- Versatile permanent adhesive suitable for almost any substrate
- Conversion via flatbed/friction fed cutters, die cutting and screen printing
- Concise colour range of 22 popular colours
- Option of matt low glare finish for indoor use, or gloss finish for outdoor signs
- Exceptional value for money

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"/> Eco solvent inkjet |
| <input checked="" type="checkbox"/> Thermal transfer | <input type="checkbox"/> Solvent inkjet |
| <input checked="" type="checkbox"/> Screen printing | <input type="checkbox"/> UV Cured inkjet |

Uses

Avery 450 General Signage films deliver cost savings through excellent performance and concise colour range, perfect for your exhibition and promotional applications. This short-term film complements Avery's extensive range of quality signage films suitable for all applications.

Description



Film: 75 micron monomeric calendered vinyl



Adhesive: Permanent acrylic



Backing: One side coated Kraft paper, 130 g/m²



Outdoor life:
Up to 5 years - Europe
Up to 3 years – Asia Pacific



Colours: 22 Gloss
22 Matt

Common Applications

- Outdoor signage
- Real estate signage
- Exhibition
- Event Graphics
- Point of purchase
- Floor graphics
- Windows
- Short term promotional graphics

Physical characteristics

General

Caliper, facefilm	ISO 534	75 micron
Caliper, facefilm & adhesive	ISO 534	100 micron
Dimensional stability	DIN 30646	0.5 mm max
Tensile strength	ISO 1184	≥ 20 Mpa
Elongation	ISO 1184	≥ 160%
Adhesion, initial	FINAT FTM-1, stainless steel	480 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	640 N/m
Flammability		Self extinguishing
Shelf life	Stored at 22°C/50-55% RH	2 years
Durability **	Vertical exposure	
	Black & white	Up to 3 years
	All colours	Up to 3 years
	Metallics	Up to 1 year

Thermal

Application temperature	Minimum: + 10°C
Temperature range	- 40°C to + 80°C

Chemical

Humidity resistance	200 hours exposure	No effect
Saltspray resistance	120 hours exposure	No effect
Water resistance	48 hours immersion time	No effect
Solvent Resistance	Applied to aluminium and immersed in oils, greases, aliphatic solvents, motor oils, heptane and JP-4 fuel	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.

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.