Avery® 800 Premium Cast
New Generation

Features

- Excellent durability and outdoor performance
- Excellent layflatness and stability during printing and cutting
- High gloss for superior appearance
- Contrasting blue liner on white for easy weeding
- True cast performance
- Excellent value for money
- Superior conformability to most curved and corrugated surfaces

Description

Film: 50 micron superior quality cast vinyl

Adhesive: Permanent acrylic

Backing: one side coated Kraft paper, 140 gsm

Outdoor life:
Up to 10 years-middle Europe
Up to 8 years-Australia /NZ

Colours: 81 standard

Conversion

- ☑ **Flat bed cutters**
- ☑ **Friction fed cutters**
- ☑ **Die cutting**
- ☑ **Thermal transfer**
- ☑ **Screen printing**
- ☐ Cold overlaminating
- ☐ Estat printing
- ☐ Water based inkjet
- ☐ Solvent inkjet
- ☐ Mild solvent inkjet

Common Applications

- Flat sided trucks
- Cars and vans
- Buses
- Trains and light rail
- Architectural signage
- Directional signage
- Window graphics
- Corrugated trucks

Custom Colours

A fast colour matching service is offered for projects where specific colours are required. A minimum order quantity of 300m² is required.

Uses

Avery 800 Premium Cast is ideal for a wide range of general signage applications where cast film durability and outdoor performance is required on flat and most curved surfaces.

Physical characteristics

General

Caliper, facefilm	ISO 534	50 micron
Caliper, facefilm & adhesive	ISO 534	70 micron
Dimensional stability	DIN 30646	0.25 mm max
Gloss	ISO 2813, 20º	50%
Adhesion, initial	FINAT FTM-1, stainless steel	460 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
Accelerated ageing	DIN 53387	No negative impact
	1500 hours exposure	film performance
Durability **	Vertical exposure	
	Black & white	8 years
	Colours & transparent	7 years
	Metallics	5 years

Thermal

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

Chemical

Humidity resistance	120 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion time	No effect

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**

The durability is based on Australian exposure conditions. 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 areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased.

***Information unavailable at time of printing.

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.

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 35ºC. After exposure, the film is removed and the panel is examined for traces of corrosion.

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