

Avery® 800 Premium Cast

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Introduction

Avery 800 Premium Cast is a unique long-life film range that offers excellent dimensional stability. The face-film allows for easy and accurate application of finished lettering and graphics to flat, corrugated, simple curved, compound curved surfaces and rivets. The wide range of gloss colours plus additional matt and metallic finishes makes this a versatile cast film for signage applications where up to 10 years outdoor durability is required.

Description

Facefilm: 50 micron premium-quality cast vinyl
Adhesive: permanent, acrylic based
Backing paper: one-side coated white kraft paper, 135 g/m²

Conversion

Avery 800 Premium Cast offers excellent weeding and cutting performance on a wide range of computer signmaking equipment in all popular sizes. Avery 800 Premium Cast can be thermal transfer printed.

Features

- Excellent conformability on curved and corrugated surfaces
- Layflatness and stability optimised for cutting and weeding
- Outstanding durability and outdoor performance
- Superior high gloss or non-glare matt finish available
- Excellent dimensional stability during use and application
- Removal after use possible (see: TB 1.2, Removal of self-adhesive films)

Avery 800 Premium Cast Gloss White and 830 Premium Cast Matt White are manufactured on a blue contrast backing paper for ease of conversion.

Recommendations for use

Avery 800 Premium Cast can generally be used for computer-cut lettering and graphics in the following market segments:

- Vehicle graphics (rigid sided)
- Architectural signage
- Marine crafts and recreational vehicles
- Outdoor advertising
- Decorative graphics
- Retail signage
- Wayfinding

Customer colours

In case no choice can be made from the standard colour range, special colours can be offered in the Avery 800 Premium Cast range. These colour matches can be ordered from a minimum quantity of 5 rolls of 1,23m wide by 50m length.



PRODUCT CHARACTERISTICS

Avery® 800 Premium Cast

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	50 micron
Caliper, facefilm + adhesive	ISO 534	75 micron
Gloss	ISO 2813, 20°	50%
Dimensional stability	DIN 30646	0,20 mm. max
Elongation at break	DIN 53445	130%
Adhesion, initial	FINAT FTM-1, stainless steel	460 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	640 N/m
Flammability		self-extinguishing
Accelerated ageing	SAE J 1960, 2000h exposure	No negative impact on film performance
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability ²	Vertical exposure only	
Black & White		10 years
All Colours & Transparent		8 years
Metallics		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
Corrosion resistance	120 hours exposure to corrosion	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® 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 authorised to give any guarantee, warranty, or make any representation contrary to the foregoing. All Avery® 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

The durability is based on middle European 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 south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.



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