

## PRODUCT DATA SHEET



# Avery® 800 Premium Cast

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### Introduction

Avery 800 Premium Cast is a unique medium to long life film range that offers excellent dimensional stability. The face-film allows for easy and accurate application of finished lettering and graphics to curved and corrugated surfaces.

### Description

Facefilm: 50 micron premium cast vinyl  
Adhesive: permanent, acrylic based  
Backing paper: one side coated white kraft paper, 135 g/m<sup>2</sup>

### 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.
- Excellent layflatness and stability during cutting and weeding.
- Outstanding durability and outdoor performance.
- High gloss for superior appearance.
- Excellent dimensional stability during use and application.
- Removal after use possible (see: TB 1.2, Removal of self-adhesive films).

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

### Recommendations for use

Avery 800 Premium Cast can generally be used for lettering and decorations in the following market segments:

- Vehicle graphics, rigid sided.
- Graphics on marine crafts and recreational vehicles.
- Directional signage.
- Window graphics.
- Retail signage.

### 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 300 m<sup>2</sup>.



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## PRODUCT CHARACTERISTICS

Avery® 800 Premium Cast

### Physical properties

| Features                     | Test method <sup>1</sup>     | 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 <sup>2</sup>      | Vertical exposure            |  |
| 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 <sup>1</sup>        | Results   |
|----------------------|---------------------------------|-----------|
| Humidity resistance  | 200 hours exposure              | No effect |
| Saltspray 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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