

# PRODUCT DATA SHEET

## Avery Dennison® 800PC Premium Cast

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### Introduction

Avery Dennison® 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.

### Conversion

Avery Dennison® 800 Premium Cast offers excellent weeding and cutting performance on a wide range of computer sign making equipment in all popular sizes. Avery Dennison® 800 Premium Cast can be thermal transfer printed. Due to potential colour variation from batch to batch, it is recommended to use Avery Dennison® 800 Premium Cast films originating from the same batch in a single project.

### Recommendations

Avery Dennison® 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
- » Retail signage

### Features

- » 85 standard colors, including high gloss, matt and metallics – all REACH compliant
- » High gloss for superior appearance
- » Excellent dimensional stability and layflatness during use and application
- » Blue contrast backing paper on Avery Dennison® 800 White Gloss and 830 White Matt for ease of conversion
- » New liner imprint design with square pattern to support manual conversion
- » Improved handling during weeding and application
- » Excellent conformability on curved and corrugated surfaces
- » Outstanding durability and outdoor performance
- » Removal after use possible (see: TB 1.2, Removal of self-adhesive films)
- » Fire certification EN13501-1+A1:2013, B-s1, d0

### Customer colours

In case no choice can be made from the standard colour range, special colours can be offered in the Avery Dennison® 800 Premium Cast range. These colour matches can be ordered from a minimum quantity of 5 rolls.



#### Face Film

50 micron premium cast



#### Adhesive

permanent, acrylic based



#### Backing

one side coated white kraft paper, 135 g/m<sup>2</sup>



#### Durability

Up to 10 years outdoor (vertical exposure)



#### Shelf Life

2 years - Stored at 22°C/50% RH

## Physical Characteristics

	Test method <sup>1</sup>	Results
<b>Product</b>		
Caliper, facefilm (micron)	ISO 534	50
Caliper, facefilm + adhesive (micron)	ISO 534	75
Gloss (GU)	ISO 2813	Gloss 20° 50 Matt 85° 10
Dimensional stability (mm max.)	FINAT FTM 14	0.20 mm
Shelf life (years)	Stored at 22°C/50%RH	2
Durability <sup>2</sup>	Vertical exposure, zone 1	
	Black&White	10 years
	All Colours & Transparent	8 years
	Metallics	5 years
<b>Adhesive</b>		
Elongation (%)	DIN 53455	130
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	500
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	600
Flammability		Self-extinguishing
Accelerated ageing	SAE J 1960, 2000h exposure	No negative impact on film performance
<b>Temperature range</b>		
Application temperature (Minimum: °C)		+10
Service temperature (°C to °C)		-40 to +110
<b>Chemical properties</b>		
Humidity resistance	200 hours exposure	No effect
Saltsprayresistance	120 hours exposure	No effect
Water resistance	48 hours immersion	No effect

## Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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.

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1) Test methods: More information about our test methods can be found on our website.

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