

Product Data Sheet

Avery Dennison® 800 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.



Face Film

50 micron premium cast



Adhesive

permanent, acrylic based



Backing paper

one side coated white kraft paper, 135 g/m2



Durability

Up to 10 years outdoors (vertical exposure)



Shelf life

2 years
stored at 22°C/ 50% RH

Recommendations for use

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
- Window graphics
- 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 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)

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.

Physical Characteristics

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	50 µm
Caliper, facefilm + adhesive	ISO 534	75 µm
Gloss	ISO 2813	Gloss 20° 50% Matt 85° 20%
Dimensional stability	DIN 30646	0,20 mm. max
Elongation at break	DIN 53445	130%
Adhesion, initial	FINAT FTM-1, stainless steel	500 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	600 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%RH	2 years
Durability ² Black&White All Colours & Transparent Metallics	Vertical exposure	10 years 8 years 5 years
Temperature range		
Application temperature		Minimum +10°C
Temperature range		-40°C to +110°C
Chemical resistance		
Humidity resistance	200 hours exposure	No effect
Saltspray resistance	120 hours exposure	No effect
Water resistance	48 hours exposure	No effect

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

2) Durability: 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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