

# PRODUCT DATA SHEET

## Avery Dennison<sup>®</sup> 800 Screen

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### Introduction

Avery Dennison 800 Screen is a general purpose, medium life, self adhesive film for a wide variety of relatively flat surfaces.

This serie is available in the following colours: 820 Black Matt, 840 Transparent, 890 White Matt and 895 White Gloss.

### Conversion

Screenprinting with high quality screen inks recommended. 800 Screen series have excellent die-cutting characteristics.

### Recommendations

- » Vehicle graphics and decals for relatively flat application surfaces.
- » Lettering and number systems.
- » Advertising and display signs.
- » Nameplates and identification marking.
- » 840 Transparent: double sided window stickers.

### Features

- » Excellent outdoor durability.
- » High dimensional stability.
- » Excellent printability.
- » High adhesion level on a wide range of substrates.
- » Ultra violet, humidity and salt spray resistance.
- » Smooth surface for superior appearance.



#### Face Film

100 micron, polymeric plasticised, highly durable and weather resistant vinyl film



#### Adhesive

Permanent, acrylic based



#### Backing

One side coated bleached kraft paper, 140 g/m<sup>2</sup>



#### Durability

Up to 7 years outdoor (vertical exposure)



#### Shelf Life

2 years stored at 23°C / 50% RH

## Physical Characteristics

	Test method <sup>1</sup>	Results
<b>Product</b>		
Caliper, facefilm (micron)	ISO 534	100
Gloss (%)		
820 Black Matt	ISO 2813 85°	20%
840 Transparent	ISO 2813 20°	65%
890 White Matt	ISO 2813 85°	20%
895 White Gloss	ISO 2813 20°	55%
Dimensional stability (mm max.)	FINAT FTM 14	0.3
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability <sup>2</sup> (years)	Vertical exposure - zone 1	
Black & White		7
Transparent		5
<b>Adhesive</b>		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	600
Adhesion, ultimate (N/m)	FINAT FTM-1, stainless steel	800
Flammability		Self-extinguishing
<b>Temperature range</b>		
Application temperature (°C)	Minimum	+10
Service temperature (°C)		-40 to +110
<b>Chemical properties</b>		
Humidity resistance	200 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion	No effect
Sea water Resistance	BS5609:1986 section 2 (3 months immersion)	No effect
<b>Solvent resistance</b>		
	<b>Applied to aluminium</b>	
Gasoline	1 hour immersion time	No effect
Diesel Oil	1 hour immersion time	No effect
Antifreeze	4 hours immersion time	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.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

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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