

# PRODUCT DATA SHEET

## Avery Dennison® Flexible Substrate Signage Pro

Issued: 10/2022

### Introduction

Avery Dennison® Flexible Substrate Signage Pro is a unique product, that can be decorated with all Avery Dennison® Translucent Films as Avery Dennison® 4000, 5500 QM and 5600 LD series. The translucent pressure sensitive films, when applied to Avery Dennison® Flexible Substrate Signage Pro, provide excellent performance for external backlit signs, awnings or billboards.

### Conversion

Avery Dennison® Flexible Substrate Signage Pro is a flexible substrate with a polyester fabric. The coating contains additives for prohibiting microbial growth. The top coating on the face (smooth) side is especially designed to:

- » Block plasticizer migration
- » Increase UV resistance
- » Prepare the surface for the optimum bond of self-adhesive films

Avery Dennison® Flexible Substrate Signage Pro is fully compatible with all Avery Dennison® 4000, 5500 QM and 5600 LD series. Screen inks, spray paints and computerized print methods are not compatible with Avery Dennison® Flexible Substrate Signage Pro.

### Recommendations

- » Backlit signs
- » Awnings
- » Billboards
- » Can be cleaned in case of stains with a mild non-ionic detergent
- » Is made with a polyester fabric. It is recommended to stretch the face in the sign frame in the length direction first and then complete tensioning in the width direction or machine direction
- » Is heat sealable and RF weldable

### Features

- » Durability: 7 years
- » White, translucent colour which completely diffuses the reinforcing scrim
- » Decoration with Avery Dennison® Translucent Films give excellent visual and durability results
- » Wide seamless substrate, through which seam shadows do not interfere with the sign design
- » Resistance to discoloration and weathering
- » Resistance to fungus and wicking



#### Face Film

• Polyester fabrics, 400 micron



#### Adhesive

No



#### Backing

No



#### Durability

7 years



#### Shelf Life

2 years

## Physical Characteristics

Features	Test method <sup>1</sup>	Results
<b>Product</b>		
Caliper, facefilm (micron)	ISO 534	400 micron
Weight (g/m <sup>2</sup> )	ISO 536	530 g/m <sup>2</sup>
Light transmission (%)		33 %
Shelf life (years)	Stored at 22° C/50-55 % RH	2 years
Durability <sup>2</sup> (years)	Vertical exposure	7 years
Flammability	DIN 4102-1 (in	B1
Weatherability	QUV >3000 hrs	excellent
Tensile strength (N/5cm)	DIN EN ISO 1421	2300 / 2000 N/5cm
Tear resistance (warp/fill) (N)	DIN 53363	300 / 280 N

### Temperature range

Cold resistance (°C)	-20
Heat resistance (°C)	+80

### Chemical properties<sup>3</sup>

Mildew resistance	Excellent, no growth
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## 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.

3) Prolonged immersion in gasoline and similar fluids is not recommended.

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