

# PRODUCT DATA SHEET

## Avery Dennison® 4000 Flexible Substrate

issued: 11/2014

### Introduction

Avery Dennison 4000 Flexible Substrate is a unique product, that can be decorated with Avery Dennison 4000 Translucent Films, a translucent pressure sensitive film, which when applied to Avery Dennison 4000 Flexible Substrate, provides excellent performance for external backlit signs, awnings or billboards.

### Construction

Avery Dennison 4000 Flexible Substrate is a flexible substrate with a polyester fabric.

The coating contains the 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

### Compatibility

Avery Dennison 4000 Flexible Substrate is fully compatible with Avery Dennison 4000 Translucent Film series. Screen inks, spray paints and computerized print methods are not compatible with Avery Dennison 4000 Flexible Substrate.

### Durability

The expected life span of Avery Dennison 4000 Flexible Substrate product is 7 years under vertical exposure.

### Features

- Durability: 7 years
- White, translucent colour which completely diffuses the reinforcing scrim
- Decoration with Avery Dennison 4500 Translucent Films gives 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

### Recommendations for use

- Backlit signs
- Awnings
- Billboards

### Avery Dennison 4000 Flexible Substrate

- 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

## PRODUCT CHARACTERISTICS

## Avery Dennison® 4000 Flexible Substrate

### Physical properties

Features	Property	Units
Base fibre:	polyester	D-Tex
Base fibre:	500 x 1000	Denier
Thread count:	18 x 12 cm <sup>2</sup>	
Total weight:	680	g/m <sup>2</sup>
Thickness:	450	mm
Tensile strength:	162 x 193	kgf/5cm
Tear resistance (warp / fill):	24 x 35	kgf
Light transmission:	33 +/- 2	%
Mildew resistance:	excellent, no growth	
Weatherability:	excellent, QUV >3000	hrs
Flame resistance:	B1	DIN 4102-1
Cold resistance:	-20	°C
Heat resistance:	+80	°C
Elongation at break:	25 – 32	%

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### 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 Dennison® 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 authorized to give any guarantee, warranty, or make any representation contrary to the foregoing. All Avery Dennison® 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.

More information can be found on our website: [www.graphics.averydennison.eu](http://www.graphics.averydennison.eu)