PRODUCT DATA SHEET

Avery Dennison® Flexible Substrate Signage Pro

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Rev: 1

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.

Construction

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

Compatibility

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.

Durability

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

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

Recommendations for use

- Backlit signs
- Awnings
- Billboards

Avery Dennison Flexible Substrate Signage Pro

- 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® Flexible Substrate Signage Pro

Physical properties

Features	Test method[1]	Results
Base fibre:		polyester
Total weight:		530 g/m^2
Thickness:		0.4 mm
Tensile strength:	(DIN EN ISO 1421)	2300 / 2000 N/5cm
Tear resistance (warp / fill):	(DIN 53363)	300 / 280 N
Light transmission:		33 %
Mildew resistance:	excellent, no growth	
Weatherability: excellent, QUV >3000 hrs		
Flame resistance:	DIN 4102-1 (in preparation)	B1
Cold resistance:		-20 °C
Heat resistance:		+80 °C

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. In case of any ambiguities or differences between the English and foreign versions of these Conditions, the English version shall be controlling.

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 authorised 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.

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.