

PRODUCT DATA SHEET



Avery® 4000 Flexible Substrate

issued: 27/08/2006

Introduction

Avery 4000 Flexible Substrate is a unique product, that can be decorated with Avery 4500 Translucent Films, which when applied to Avery 4000 Flexible Substrate provides an excellent performance for external backlit signs, awnings or billboards.

Construction

Avery 4000 Flexible Substrate is a flexible substrate with a warp knitted polyester scrim. The laminate contains the additives for prohibiting microbial growth. The top layer on the face (smooth) side is especially designed to:

- minimize plasticizer migration.
- increase UV resistance.
- guarantee the optimum bond of self-adhesive films.

Compatibility

Avery 4000 Flexible Substrate is fully compatible with Avery 4500 Translucent Film series to the smooth side of the laminate. The reverse side of the laminate is not appropriate for the application of pressure sensitive films. In addition Avery 4000 Flexible Substrate can be printed with solvent based inks and is compatible with a broad selection of wide format inkjet printers.

Durability

The expected life span of Avery 4000 Flexible Substrate product is 5 years under vertical exposure.

Features

- White, translucent colour which diffuses the reinforcing scrim.
- Decoration with Avery 4500 Translucent Films gives excellent visual and durability results.
- Resistance to discoloration and weathering.
- Resistance to fungus.

Recommendations for use

- Backlit/internally illuminated signs.
- Outdoor advertising.

Avery 4000 Flexible Substrate

- can be cleaned in case of stains with a mild non-ionic detergent.
- is made with a polyester scrim. 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.

Supreme Cover

Avery 4000 Flexible Substrate decorated with Avery 4500 Translucent Film have a guaranteed outdoor durability of up to 5 years for the combined product based on middle European exposure conditions.



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PRODUCT CHARACTERISTICS

Avery® 4000 Flexible Substrate

Physical properties

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

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® 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® 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.



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