

PRODUCT DATA SHEET

Avery Dennison® 5300 Blockout Films

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Introduction

Avery Dennison 5300 Blockout Films are premium quality cast films that are especially designed for graphics involving internally illuminated light box applications. Avery Dennison 5300 Blockout Films are designed to provide complete light blocking characteristics. Avery Dennison 5301 Blockout Film exhibits a uniformly lustre white finish and is uniformly black on the adhesive side. Avery Dennison 5303 Blockout Film has a black lustre finish and is uniformly white on the adhesive side.

Description

Facefilm:	100 micron premium, cast vinyl film
Adhesive:	Permanent, clear, acrylic based
Backing paper:	Polycoated kraft paper, 140 g/m ²

Conversion

Avery Dennison 5300 Blockout Films offer excellent conversion using computerised sign cutting, hand cutting and die cutting.

Features

- Total light block control, less than 0,001% light transmission
- Lustre finish on face of the film, matching with other Avery Dennison backlit sign products
- Provides a very good and stable layflatness during handling and conversion
- Offers the choice of a white or a black face film
- Excellent adhesion to a wide variety of substrates
- Superior dimensional stability
- Excellent performance as second surface media
- Excellent performance for flat and slightly curved designs

Recommendations for use

- Graphics for internally illuminated signs and canopies on both rigid and flexible substrates
- Avery Dennison 5300 Blockout Films are generally applied as second surface substrate in combination with Avery Dennison 4500TF and Avery Dennison 5500QM Translucent Films.

Custom colours

Colormatching service is offered, however some limitations apply.

PRODUCT CHARACTERISTICS

Avery Dennison® 5300 Blockout Films

Physical properties

Features

Caliper, facefilm
Caliper, facefilm + adhesive
Elongation
Light Transmission
Dimensional stability

Test method¹

ISO 534
ISO 534
DIN 53455
DIN 30646

Results

100 micron
125 micron
100% min
<0,001%
0,4 mm max.

Adhesion, initial

FINAT FTM-1:
Glass
PMMA
Polycarbonate
ULTRALON IV

500 N/m
450 N/m
375 N/m
400 N/m

Adhesion, ultimate

FINAT FTM-1:
Glass
PMMA
Polycarbonate
ULTRALON IV

580 N/m
550 N/m
560 N/m
400 N/m

Flammability

Accelerated ageing

SAE J 1960, 1500h exposure

self-extinguish
No negative impact

Shelf life
Durability²

Stored at 22° C/50-55 % RH
Vertical exposure

2 years
5 years

Temperature range

Features

Application temperature
Service temperature

Results

Minimum: +10° C
-40° to +80° C

Chemical resistance

Resistant to most petroleum based oils, greases and aliphatic solvents.
Resistant to mild acids, alkalies and salts.

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: www.graphics.averydennison.eu

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.