PRODUCT DATA SHEET

Avery® 5300 Blockout Films

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Introduction

Avery 5300 Blockout Films are premium quality cast films that are especially designed for graphics involving internally illuminated light box applications.
Avery 5300 Blockout Films are designed to provide complete light blocking characteristics. Avery 5301 Blockout Film exhibits a uniformly lustre white finish and is uniformly black on the adhesive side. Avery 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 5300 Blockout Films offers 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 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 5300 Blockout Films are generally applied as second surface substrate in combination with Avery®4500TF and Avery®5500QM Translucent Films.

Custom colours

Colormatching service is offered, however some limitations apply.

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PRODUCT CHARACTERISTICS

Physical properties

Features	Test method[1]	Results
Caliper, facefilm	ISO 534	100 micron
Caliper, facefilm + adhesive	ISO 534	125 micron
Elongation	DIN 53455	100% min
Light Transmission		<0,001%
Dimensional stability	DIN 30646	0,4 mm. max
Adhesion, initial	FINAT FTM-1,	
	Glass	500 N/m
	PMMA	450 N/m
	Polycarbonate	375 N/m
	ULTRALON IV	400 N/m
Adhesion, ultimate	FINAT FTM-1,	
	Glass	580 N/m
	PMMA	550 N/m
	Polycarbonate	560 N/m
	ULTRALON IV	400 N/m
Flammability		self-extinguish
Accelerated ageing	SAE J 1960, 1500h exposure	No negative impact
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability[2]	Vertical exposure	5 years

Temperature range

Features	Results
Application temperature	Minimum: +10° C
Service temperature	-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.

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.

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.

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