

PRODUCT DATA SHEET



Avery® 600 High Performance

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Introduction

Avery 600 High Performance films are ideal for many medium-life indoor and outdoor applications. Avery 600 High Performance films are available in an extensive range of colours.

Description

Facefilm : 70 micron polymeric plasticised vinyl film
Adhesive : permanent, acrylic based
Backing paper : one side coated bleached kraft paper, 130 g/m²

Conversion

Avery 600 HP films can be cut on a wide variety of computerised sign cutting equipment. Die cutting will also show good performance. Avery 600 HP films can be thermal transfer printed.

Features

- Superior cutting and weeding.
- Good dimensional stability.
- Attractive film range with 50 colours.
- Good opacity.

Avery 600HP White and 630 HP White Matt are manufactured on a blue contrast backing paper for ease of conversion.

Recommendations for use

Avery 600 HP films offer a very wide range of special colours for:

- Window graphics.
- Directional signage, indoor and outdoor.
- Vehicle graphics, rigid sided.
- Poster sites.
- Promotional displays.

Avery 600 High Performance films are designed for application on flat surfaces only.



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PRODUCT CHARACTERISTICS

Avery® 600 High Performance

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	70 micron
Caliper, facefilm + adhesive	ISO 534	95 micron
Dimensional stability	DIN 30646	0,30 mm. max
Adhesion, initial	FINAT FTM-1, stainless steel	450 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	650 N/m
Flammability		self-extinguishing
Accelerated ageing	SAE J 1960, 1500h exposure	No negative impact on film performance
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability ²	Vertical exposure	
Black & White		7 years
All Colours & Transparent		5 years
Metallics		3 years

Temperature range

Features	Results
Application temperature	Minimum: +10° C
Temperature range	- 40° to + 110° C

Chemical resistance

Features	Test method ¹	Results
Humidity resistance	200 hours exposure	No effect
Saltspray resistance	120 hours exposure	No effect
Water resistance	48 hours immersion	No effect
Solvent resistance	applied to aluminium: 1 hour diesel oil immersion 4 hours antifreeze immersion	No effect No effect

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 prevail.

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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