

PRODUCT DATA SHEET

Avery Dennison® 400 Colours

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Introduction

Avery Dennison 400 Colours are multi-purpose screenprint films for a wide variety of relatively short-term applications.

Description

Facefilms: 80 micron, monomerically plasticised vinyl film
Avery Dennison 400 – black gloss
Avery Dennison 420 – black matt
Avery Dennison 400 – yellow gloss

Availability

	Adhesive ➔	Permanent
Backing 🕒 (one side coated kraft liner)		
Standard		x

Features

Avery Dennison 400 Colours feature excellent conversion and printing characteristics: they can be screenprinted with most common screen inks for self-adhesive films. Avery Dennison 400 Colours have excellent layflatness and dimensional stability properties to ensure high output and exact registered prints. Avery Dennison 400 Permanent Colour series have excellent outdoor exposure properties.

Printing

Offset-printed: with UV-curing inks, which are resistant to plasticiser / suitable for films and
Screen-printed: with conventional (i.e. solvent-based) and UV-curing inks.

Consult your printing ink supplier about suitable printing inks. All printing inks should be tested for suitability prior to use.

Recommendations for use

- Short term outdoor advertising
- Posters, panels and signs at exhibitions
- Billboard advertising
- Public transport advertising
- Vehicle decorations and advertising
- Labels and stickers
- Point of sale promotions

For information regarding EHS regulation please visit our website under downloads "Technical bulletins "TB 7.8 Product Compliance Avery Dennison Promotional Screen "Technical bulletins "– Offset printing.

Physical properties

Features	Test method¹	Results
Caliper, facefilm	ISO 534	80 micron
Grammage, facefilm	ISO 536	93 g/m ² black / 104 g/m ² (yellow)
Caliper, backing paper	ISO 534	132 micron
Grammage, backing paper	ISO 536	128 g/m ²
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability ²	Vertical exposure	2 years

Adhesive

Permanent General-purpose emulsion acrylic adhesive with high initial adhesion on most common substrates.

	Permanent
Adhesion (N/m) (FTM 1 on steel/after 24h)	800
Tack (N/m) (FTM 9 on glass)	320
Minimum application temperature	> + 5
Service temperature range up to 24 hrs (°C)	+ 80
up to 1 hr (°C)	+ 110
Resistance to cold (°C) ¹⁾ down to	- 40

¹⁾ Not fully resistant until after adhesion reaches full strength – after at least 24 hrs

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

All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>

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.