

## PRODUCT DATA SHEET



# Avery® 400 Colours

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### Introduction

Avery 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 400 – black gloss  
Avery 420 – black matt  
Avery 400 – yellow gloss

### Availability

	Adhesive ➔	Permanent
<b>Backing</b> ⤴ (one side coated kraft liner)		
Standard		x

### Features

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

For screen ink recommendations: consult Avery Technical Bulletin No. 2.2.  
Avery 400 Permanent Colour series have excellent outdoor exposure properties.

### 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

### Environmental, Health and Safety Regulations

The product meets the European Toy Regulations EN 71-3 (except yellow).

The product complies with the US CONEG Model Toxics Legislation and the EC directive 94/62/EC, article 11 on packaging and packaging waste, with reference to the acceptable levels of heavy metals, i.e. sum of heavy metals Cadmium, Mercury, Lead and Chromium (VI) is less than 100 ppm (except yellow).



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## PRODUCT CHARACTERISTICS

Avery® 400 Colours

### Physical properties

Features	Test method <sup>1</sup>	Results
Caliper, facefilm	ISO 534	80 micron
Gloss, black glossy film	ISO 2813, 20°	60 %
matt black film	ISO 2813, 85°	15 %
yellow gloss film	ISO 2813, 20°	65 %
Dimensional stability	DIN 30646	0.5 mm. max
Flammability		Self extinguishing
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability <sup>2</sup>	Vertical exposure	2 years

### Adhesives

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

	<u>Permanent</u>	
Minimum application temperature	+10°C	
Service temperature range	-40°C to +100°C	
Adhesion on stainless steel, initial	600 N/m	FTM-1
Adhesion on stainless steel, ultimate	800 N/m	FTM-1

### Chemical properties

Features	Test method <sup>1</sup>	Results
Humidity resistance	120 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion	No effect
Solvent resistance	Applied to aluminium	No effect if exposed to: oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel.

#### 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 without notice.

#### 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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