

PRODUCT DATA SHEET

Avery Dennison® 700 Premium Film

issued: 04/2015

Introduction

Avery Dennison 700 Premium Films are ideal for many medium-life indoor and outdoor applications with an excellent dimensional stability. Avery Dennison 700 Premium Films are available in a very extensive range of standard colours. Any other colour can be ordered through our extended colour match services.

Description

Facefilm: 64 micron polymeric vinyl film
Adhesive: permanent, acrylic based
Backing paper: one side coated bleached kraft paper, 130 g/m²

Conversion

Avery Dennison 700 Premium Films can be cut on a wide variety of computerised sign cutting equipment. Die cutting will also show good performance. Avery Dennison 700 Premium Films can be thermal transfer printed.

Features

- Superior cutting and weeding.
- Excellent dimensional stability.
- High gloss appearance.
- Attractive film range with 100 colours – all REACH compliant
- Good opacity.

Avery Dennison 700 Premium Films White and 730 Premium Films White Matt are manufactured on a blue contrast backing paper for ease of conversion.

Recommendations for use

Avery Dennison 700 Premium 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.

Application surfaces may vary from regular flat to curved substrates for which a medium-term durability is required.

PRODUCT CHARACTERISTICS

Avery Dennison® 700 Premium Film

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	64 micron
Caliper, facefilm + adhesive	ISO 534	90 micron
Dimensional stability	DIN 30646	0,25 mm. max
Elongation at break	DIN 53445	120%
Adhesion, initial	FINAT FTM-1, stainless steel	460 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	500 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	8 years
Black & White		7 years
All Colours & Transparent		5 years
Metallics		

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	No effect
	4 hours antifreeze immersion	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.

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.