

PRODUCT DATA SHEET

Avery Dennison® 700PF Premium Film

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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.

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.

Recommendations

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.

Features

- » Attractive film range with 100 colours – all REACH compliant
- » High gloss appearance
- » Excellent dimensional stability
- » Superior cutting and weeding
- » Good opacity
- » Blue contrast backing paper on 700 PF White and 730 PF White Matt
- » New liner imprint design with square pattern to support manual conversion



Face Film

64 micron polymeric vinyl film



Adhesive

permanent, acrylic based



Backing

one side coated bleached kraft paper, 135 g/m²



Durability

Up to 8 years outdoor (vertical exposure)



Shelf Life

2 years - stored at 22°C/ 50% RH

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	64
Caliper, facefilm + adhesive (micron)	ISO 534	85
Gloss (GU)	ISO 2813	Gloss 20° 50% Matt 85° 20%
Dimensional stability (mm max.)	DIN 30646	0.25
Business and Reporting categories		
Elongation (%)	DIN 53455	120
Flammability		Self-extinguishing
Accelerated ageing	SAE J 1960, 2000h exposure	No negative impact on film performance
Shelf life	2 years- stored at 22°C/ 50% RH	stored at 22°C/ 50% RH
Durability ²		
	Vertical exposure	
	White & Black	8 years
	Colors & Clear	7 years
	Metallics	5 years
Adhesive		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	400
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	500
Temperature range		
Application temperature (Minimum: °C)		+10
Service temperature (°C to +°C)		-40 to +90
Chemical properties²		
Humidity resistance	200 hours exposure	No effect
Water resistance	24 hours immersion	No effect
Detergent (1% solution)	24 hours immersion	No effect
Detergent solution 65°C	8 hours immersion	No effect
Isopropyl Alcohol / Water (20/80)	10 minutes immersion	No effect

1) Test methods: More information about our test methods can be found on our website.

2) Durability: 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.

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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 this document, the English version shall be prevailing and leading.

- 1) Test methods: More information about our test methods can be found on our website.
- 2) Prolonged immersion in gasoline and similar fluids is not recommended.

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