

# PRODUCT DATA SHEET

## Avery Dennison® 700PF Premium Film

Issued: 09/2023

### 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. The embossed backing of the Easy Apply version is providing enhanced ease-of-use during application. Entrapped air can easily be rubbed out without the need to punch the vinyl film.

### 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.

The Hi-Tack version is suitable for difficult to adhere to surfaces such as low surface energy substrates (eg. HDPE or PP) and matt interior painted walls.

Do NOT use wet application methods for Avery Dennison® 700 Premium Easy Apply version.

### 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 Avery Dennison® 700 PF White and 730 PF White Matt
- » New liner imprint design with square pattern to support manual conversion
- » Available with Easy Apply Technology, for an easy application
- » Hi-Tack version: outstanding adhesion to low energy surfaces, like PP and PE substrates
- » Fire certification EN13501-1+A1:2013, B-s1, d0



#### Face Film

64 micron polymeric vinyl film



#### Adhesive

permanent, acrylic based

Hi-tack, permanent acrylic based; designed for low-surface energy substrates



#### Backing

One side coated bleached kraft paper, 135 g/m<sup>2</sup>

Two-side polyethylene coated kraft paper, 140 g/m<sup>2</sup> with Easy Apply Technology



#### Durability

Up to 8 years outdoor (vertical exposure)



#### Shelf Life

2 years - stored at 22°C/ 50% RH



## Physical Characteristics

	Test method <sup>1</sup>	Results		
<b>Product</b>				
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		
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 <sup>2</sup>	Vertical exposure			
	White & Black	8 years		
	Colors & Clear	7 years		
	Metallics	5 years		
<b>Adhesive</b>		Kraft version	Easy Apply version	Hi-Tack version
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	400	400	1200
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	500	500	1250
Adhesion, initial (N/m)	FINAT FTM-1, HDPE			520
Adhesion, after 24 hours (N/m)	FINAT FTM-1, HDPE			600
<b>Temperature range</b>				
Application temperature (Minimum: °C)		+10		
Service temperature (°C to +°C)		-40 to +90		
<b>Chemical properties<sup>2</sup></b>				
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		

## 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.

*Avery Dennison warrants that its Products meet its specifications. Avery Dennison gives no other express or implied guarantees or warranties with respect to the Products, including, but not limited to, any implied warranties of merchantability, fitness for any particular use and/or non infringement. All Avery Dennison products are sold with the understanding that the purchaser has independently determined the suitability of such products for its purposes. The period of warranty is one (1) year from the date of shipment unless expressly provided otherwise in the product data sheet. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>.*

*Avery Dennison's aggregate liability to Purchaser, whether for negligence, breach of contract, misrepresentation or otherwise, shall in no circumstances exceed the price of the defective, non-conforming, damaged or undelivered Products which give rise to such liability as determined by net price invoices to Purchaser in respect of any occurrence or series of occurrences. In no circumstances shall Avery Dennison be liable to Purchaser for any indirect, incidental or consequential loss, damage or injury, including without limitation, loss of anticipated profits, goodwill, reputation, or losses or expenses resulting from third party claims.*

*© 2023 Avery Dennison Corporation. All rights reserved. Avery Dennison and all other Avery Dennison brands, this publication, its content, product names and codes are owned by Avery Dennison Corporation. All other brands and product names are trademarks of their respective owners. This publication must not be used, copied or reproduced in whole or in part for any purposes other than marketing by Avery Dennison.*