

Product Data Sheet

Avery Dennison® 700 Premium Film

Issued: 02/2020

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.



Face Film

64 micron polymeric vinyl film



Adhesive

permanent, acrylic based



Backing paper

one side coated bleached kraft paper, 135 g/m²



Durability

Up to 8 years outdoors (vertical exposure)



Shelf life

2 years
stored at 22°C/ 50% RH

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.

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

Physical Characteristics

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	64 micron
Caliper, facefilm + adhesive	ISO 534	85 micron
Gloss	ISO 2813	Gloss 20° 50% Matt 85° 20%
Dimensional stability	DIN 30646	0,25 mm. max
Elongation at break	DIN 53445	120%
Adhesion, initial	FINAT FTM-1, stainless steel	400 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	500 N/m
Flammability		Self-extinguishing
Accelerated ageing	SAE J 1960, 2000h exposure	No negative impact on film performance
Shelf life	Stored at 22°C/50%RH	2 years
Durability ²	Vertical exposure	8 years
Black & White		7 years
All Colours & Transparent		5 years
Metallics		

Temperature range

Application temperature	Minimum +10°C
Temperature range	-40°C to +90°C

Chemical resistance

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
Isopropylic 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 notice 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.

Disclaimer and warranty 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.