

Avery Dennison® HP 700 High Performance Calendered Series

Opaque Hi Tack Staflat™ & Easy Apply

Revision: 7 Dated: 02/22/19

Uses:

Avery Dennison® HP 700 Hi Tack series calendered films are premium quality, flexible, opaque solid color medium gloss vinyl films designed for use in a wide range of sign making applications. HP 700 has a Hi Tack proprietary adhesive system designed for use in demanding applications. The adhesive system is ideally suited for use on low energy substrates such as plastics, powder coat paints, fiberglass, and painted metal surfaces. This product is ideal for a variety of intermediate term outdoor projects.



Face: calendered film
-101 - 3.0 mil (76 microns) semi gloss
-102 - 3.5 mil (88.9 microns) matte
-190 - 3.0 mil (76 microns) gloss



Adhesive: Hi Tack Permanent Clear, High Performance Acrylic



Liner: 90# StaFlat™ or 90# Avery Dennison Easy Apply technology



Durability: Up to 6 years

Application Surfaces: Flat, Simple Curves

Features:

- Outstanding durability and outdoor performance
- Dimensionally stable liner for easy converting
- Medium gloss finish
- Excellent conversion on CAD plotters
- Easy cutting & weeding
- Good dimensional stability
- Good UV, temperature, humidity, and salt-spray resistance
- Hi Tack adhesive for difficult substrates

Conversion:

- Thermal Die Cutting
- Flatbed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting
- Thermal Transfer
- Screen Printing
- UV inkjet

Common Applications:

- Trucks
- Trailers
- Cars & Vans
- Architectural Signage
- Trains & light rail
- OEM durable decals
- Buses

Product Data Sheet

Page 1 of 4



Graphics Solutions

www.graphics.averydennison.com
Customer Service: 800-282-8379

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Physical Characteristics:

Property	Measurement	Typical Value
Caliper, face	HP 700-101 HP 700-102 HP 700-190	3.0 mil (76 µm) 3.5 mil (88.9µm) 3.0 mil (76 µm)
Caliper, adhesive		1.0 mil (25 µm)
Dimensional stability		<0.035"(0.89 mm)
Tensile at Yield		9.0 -15.0 lb/in (1.6 - 2.7 kg/cm)
Elongation		100% min.
Gloss	Hunter Gloss @ 60 degrees	70% +/- 2 GU
Adhesion:	24 hour LSE Plastics LSE Clearcoats LSE Paints LSE Textured substrates Stainless Steel	4.1 lbs/in (718 N/m) 4.3 lbs/in (753 N/m) 4.5 lbs/in (788 N/m) 3.5 lbs/in (613 N/m) 5.5 lbs/in (963 N/m) LSE – Low Surface Energy
Flammability	Self Extinguishing	
Shelf-Life		2 years from date of manufacture (when stored at the following temperatures and humidity conditions 68°-77° F (20° - 25° C) and 50±5% R. H.)
Durability	Vertical Exposure	6 years
Opacity	700-101 White 700-102 Matte White	93% 99.5%
Min. Application Temperature		40° F (4° C)
Service Temperature		-40° to 180°F (-40° to 82° C) (Reasonable range of temperatures which would be expected under normal environmental conditions).
Chemical resistance		Resistant to most mild acids, alkalis, and salt solutions. Resists exposure to fuel vapors and occasional fuel spills.

Product Data Sheet

Page 2 of 4



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Data represents average values where applicable, and is not intended for specification purposes.

Warranty:

This Warranty applies to the Product listed in this Data Sheet. All statements, technical information (including physical and chemical characteristics) and recommendations about Avery Dennison products are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold subject to the Purchaser's assent and agreement that Purchaser is responsible for, and has independently determined, the suitability of such products for its purposes or its customer's purposes. Avery Dennison products are warranted to be free from defects in material and workmanship (i) for two years from the date of manufacture, or (ii) from the date of manufacture until the expiration of the period stated on the specific Product Data Sheet in effect at the time of delivery. Such time periods are subject in either case to the proper storing and application of said product, and the failure to properly store or apply the product, including without limitation the failure to follow any applicable Instructional Bulletin, negates any warranty. It is expressly agreed and understood that Avery Dennison's sole obligation and Purchaser's exclusive remedy under this warranty, under any other warranty, express or implied, or otherwise, shall be limited exclusively to: (a) repair or replacement of defective product without charge at Avery Dennison's plant or at the location of the product (at Avery Dennison's election), or (b) in the event repair or replacement are not commercially practical, a credit amount up to the price of the product taking into account the defect in the product in Avery Dennison's sole discretion.

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Product Data Sheet

Page 3 of 4



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Colors & Expected Durability:

Vertical Durability for Zone 1 vertical applications is noted in the chart below. Color samples are available from samples.graphics@averydennison.com, or through your sales or customer service contact. Reference Instructional Bulletin 1.30 for zones by geographic location.

NOTE: Some color fade may occur in severe environmental areas. Reference IB 1.30 for durability guidelines.

Colors Cross Reference - Opaque:

KR = Kraft liner
SF = StaFlat liner

HP700 Series Name	Vertical Durability Zone 1 Years
HP700-101-O White HITAC SF	6
HP700-102-O Matte White HITAC EZ	6
HP700-190-O Black HITAC EZ	6

NOTE: Some color fade may occur in severe environmental areas. Reference IB 1.30 for durability guidelines.

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Product Data Sheet

Page 4 of 4



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