

Avery Dennison® HP 700 High Performance Calendered Series

Opaque Hi Tack Staflat™

(formerly: A6 and MX Opaque Series Hi Tack)

Revision: 5 Dated: 07/23/15

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 metals surfaces. This product is ideal for a variety of intermediate term outdoor projects.



Face: calendered film
HP 700-101 - 3.0 mil (76 microns) semi gloss
HP 700-102 - 3.5 mil (88.9 microns) matte



Adhesive: Hi Tack Permanent Clear, High Performance Acrylic



Liner: StaFlat™



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
- Flat Bed 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
- Buses
- OEM durable decals

Product Data Sheet

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Graphics Solutions

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Customer Service: 800-282-8379

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Physical Characteristics:

Property		Typical Value
Caliper, face	HP 700-101	3.0 mil (76 µm)
	HP 700-102	3.5 mil (88.9µm)
Caliper, adhesive		1.0mil (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		70% +/- 2 GU
<i>Adhesion (24 hr.)</i>		
	<i>LSE Plastics</i>	<i>4.1 lbs/in (718 N/m)</i>
	<i>LSE Clearcoats</i>	<i>4.3 lbs/in (753 N/m)</i>
	<i>LSE Paints</i>	<i>4.5 lbs/in (788 N/m)</i>
	<i>LSE Textured substrates</i>	<i>3.5 lbs/in (613 N/m)</i>
	<i>Stainless Steel</i>	<i>5.5 lbs/in (963 N/m)</i>
		LSE – Low Surface Energy
Flammability		Self Extinguishing
Shelf-Life		<i>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.</i>
Durability	Vertical Exposure	6 years
Opacity	700-101 White	93%
	700-102 Matte White	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.

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 graphics products are warranted to be free from defects in material and workmanship for two years from the date of manufacture. When the product is properly applied, the warranty period is as stated in the product's specific Product Data Sheet in effect at the time of shipment to Avery Dennison's customer.

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Colors: Cross Reference

A 6 Series MX Series	Avery Dennison 700 High Performance Calendered Opaque Permanent StaFlat™
A6001-O White MX4001, MX3400	HP 700-101-O White HP 700-102 Matte White

Revisions are italicized

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