

Avery Dennison® HP 700 High Performance Calendered Series

Opaque Hi Tack Easy Apply™
Revision: 0 Dated: 02/17/15

Uses:

Avery Dennison HP 700 Hi Tack Easy Apply matte premium calendered films are opaque solid color, flexible vinyl films designed for use in demanding applications. The adhesive system is designed for use on low energy substrates such as plastics, powder coat paints, fiberglass, clear coats and painted metal surfaces. This product is ideal for a variety of outdoor projects.



Face: calendered film
White - 3.4 mil (86 microns) matte
Black - 3.0 mil (76 microns) gloss



Adhesive: Clear, High Performance Acrylic



Liner: 90# Avery Dennison Easy Apply technology



Durability: Up to 6 years

Application Surfaces:

Flat, Simple Curves

Features:

- Excellent for OEM durable decal applications
- Outstanding durability and outdoor performance
- Good UV, temperature, humidity, and salt-spray resistance
- High performance adhesive for difficult substrates
- Dimensionally stable liner for easy converting
- Excellent conversion on CAD plotters
- Easy cutting & weeding
- Air egress technology for bubble free application

Conversion:

- Flat Bed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting
- Thermal Transfer
- Screen Printing

Common Applications:

- Heavy Equipment
- Trucks and Trailers
- Buses and Transit
- Rail Car
- Commuter Rail
- Snow vehicles

Product Data Sheet

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Graphics
Solutions

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Physical Characteristics:

Property		Value
Caliper, face		White - 3.4 mil (86 µm) Black - 3.0 mil (76 µm)
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	Hunter Gloss @ 60	<16
Adhesion (24 hr.)		
	LSE Plastics	4.1 lbs/in (718 N/m)
	LSE Clearcoats	4.3 lbs/in (753 N/m)
	LSE Paints	4.5 lbs/in (788 N/m)
	LSE Textured substrates	3.5 lbs/in (613 N/m)
	Stainless Steel	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	HP 700-102 White HP 700-190 Black	99.6% 100%
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.

Revisions are italicized

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

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