

Avery® HP 500 Promotional Calendered Series

Opaque Permanent Kraft

(formerly: A4 Opaque Series – 78#)

Revision: New Dated: 1/6/2009

Uses:

Avery Graphics™ A4 Opaque is an intermediate flexible, high gloss calendered vinyl designed for use on computer sign cutting equipment. This construction provides an attractive appearance and easy cutting, weeding and transferring characteristics for promotional signage applications.



Face: 3.2 mil (81 microns) high gloss calendered film



Adhesive: Permanent Clear Acrylic



Liner: 78# Bleached Kraft



Durability: Up to 5 years

Application Surfaces:

Flat, Simple Curves

Features:

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

Conversion:

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

- Thermal Transfer
- Screen Printing
- Cold Overlaminating
- Water based inkjet

- Solvent based inkjet
- Mild/Eco Solvent inkjet
- UV inkjet

Common Applications:

Trucks
Trailers
Cars & Vans

Banners
Architectural Signage
Directional Signage

Trains & light rail
Buses
Outdoor advertising

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Avery[®] PC 500 Transit Vinyl

Removable StaFlat

(formerly: SX Transit Vinyl)

Revision: New Dated: 02/10/2009

Uses:

Avery PC 500 Transit Vinyl is a specially engineered, flexible calendered vinyl film that has been specifically designed for use in the temporary transit advertising market. PC 500 Transit Vinyl can be applied to bus advertising panels and directly to the bus surface.



Face: 3.4 mil (86 microns) low gloss calendered



Adhesive: Removable Acrylic (clear)



Liner: 90# StaFlat



Durability: Up to 1 year (unprinted)

Application Surfaces:

Flat, simple curves (restricted to non-spill areas)

Features:

- 100% opacity, completely covers whatever is underneath
- Pre approved by key specifiers
- Matte finish
- Great image clarity and color pop
- Dimensionally stable liner for easy converting
- Screenprintable
- Can layer up to three graphics

Conversion:

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

- Thermal Transfer
- Screen Printing
- Cold Overlaminating
- Water based inkjet

- Solvent based inkjet
- Mild/Eco Solvent inkjet
- UV inkjet

Common Applications:

- Bus – Kings & Queens
- Vehicle
- Marine/ Watercraft

- Backlit Signs
- Wall Murals
- POP/ Tradeshow

- Window Graphics
- Outdoor Signage
- Floor Graphics

Product Data Sheet

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Avery[®] PC 500 Transit Vinyl

Removable StaFlat

(formerly: SX Transit Vinyl)

Revision: New Dated: 02/10/2009

Physical Characteristics:

Property		Value
Caliper, face		3.4 mil (86 µm)
Caliper, adhesive		1.0mil (25 µm)
Dimensional stability		<0.065"(1.651 mm)
		Note: Ink loads in excess of 250% may cause increased shrinkage of the printed film.
Tensile at Yield		
Elongation		
Gloss	Hunter Gloss @ 60	<16
Adhesion: 15 min.		1.0 lbs/in (175 N/m)
24 hr		1.2 lbs/in (210 N/m)
1 week		1.8 lbs/in (315 N/m)
Flammability		Self Extinguishing
Shelf-Life		1 year
Durability	Vertical Exposure	Up to 1 year
Min. Application Temperature		50°F (4°C)
Service Temperature		-40° - 180°F (-40° - 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.

Important:

Information on physical and chemical characteristics are based on tests believed to be reliable. The values are intended only as a source of information. This information is given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of any material for their specific purpose. (Data represents average values where applicable, and is not intended for specification purposes)

Warranty:

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Graphics & Reflective Products Division
250 Chester Street
Painesville, OH 44077



AnswerLine: 800-231-4654
www.averygraphics.com

Avery[®] PC 500 Transit Vinyl

Removable StaFlat

(formerly: SX Transit Vinyl)

Revision: New Dated: 02/10/2009

Dimensional stability:

Is measured on a 6" x 6" (150 x 150 mm) aluminum panel to which a specimen has been applied; 72 hours after application the panel is scored in a cross pattern, exposed for 48 hours to 150°F (65°C), after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel panel, 24 hours after the specimen has been applied under standardized conditions. Initial adhesion is measured 15 minutes after application of the specimen.

Flammability:

A specimen applied to aluminum is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Revisions are italicized

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(formerly: A4 Opaque Series – 78#)

Revision: New Dated: 1/6/2009

Physical Characteristics:

Property	Value
Caliper, face	3.2 mil (81 µm)
Caliper, adhesive	1.0mil (25 µm)
Dimensional stability	<0.04"(1.016 mm)
Tensile at Yield	4.0 -8.0 lb/in (0.7 – 1.5 kg/cm)
Elongation	100% min.
Gloss	90% ± 10
Adhesion: 15 min.	3.0 lbs/in (525 N/m)
24 hr.	3.5 lbs/in (770 N/m)
Flammability	Self Extinguishing
Shelf-Life	1 year
Durability	Vertical Exposure Up to 5 years
Min. Application Temperature	50° F (10°C)
Service Temperature	-50° - 180°F (-40° - 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.

Important:

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Revision: New Dated: 1/6/2009

Colors: Cross Reference

A4 OPAQUE SERIES - 78#	AVERY 500 PROMOTIONAL CALENDERED OPAQUE PERMANENT KRAFT	A4 OPAQUE SERIES - 78#	AVERY 500 PROMOTIONAL CALENDERED OPAQUE PERMANENT KRAFT
A4001-O White	PC 500-101-O White Δ	A4330-O Cardinal Red	PC 500-430-O Cardinal Red
A4003-O Clear	PC 500-103-O Clear	A4335-O Geranium Red	PC 500-435-O Geranium Red
A4005-O True White	PC 500-105-O True White Δ	A4375-O Merlot	PC 500-475-O Merlot
A4077-O Silver	PC 500-801-O Silver	A4412-O Tropical Pink	PC 500-512-O Tropical Pink
A4090-O Black	PC 500-190-O Black Δ	A4555-O Medium Blue	PC 500-655-O Medium Blue
A4108-O Bright Yellow	PC 500-208-O Bright Yellow	A4562-O Azure Blue	PC 500-662-O Azure Blue
A4109-O Stone Yellow	PC 500-209-O Stone Yellow	A4564-O Flex Blue	PC 500-664-O Flex Blue
A4110-O Primrose Yellow	PC 500-210-O Primrose Yellow	A4575-O Interstate Blue	PC 500-675-O Interstate BlueΔ
A4120-O Canary Yellow	PC 500-220-O Canary Yellow	A4583-O Royal Blue	PC 500-683-O Royal Blue
A4155-O Apricot	PC 500-355-O Apricot	A4589-O Mariner Blue	PC 500-689-O Mariner Blue
A4159-O Pizazz Orange	PC 500-359-O Pizazz Orange	A4597-O Dark Navy Blue	PC 500-697-O Dark Navy Blue Δ
A4179-O Autumn Orange	PC 500-379-O Autumn Orange	A4659-O Lime	PC 500-759-O Lime
A4247-O Gold	PC 500-215-O Gold ±	A4673-O Cactus Green	PC 500-773-O Cactus Green
A4317-O Medium Red	PC 500-415-O Medium Red	A4674-O Mountain Green	PC 500-774-O Mountain Green
A4320-O Cherry Red	PC 500-420-O Cherry Red	A4685-O Forest Green	PC 500-785-O Forest Green

COMMENTS:

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

± - 2 year durability

Δ - 5 year durability

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Adhesion:

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