

EasyPSV[®] Starling[™]

Cut Vinyl Film Series

Opaque Permanent

Revision: 0 Dated: 10/11/22

Uses:

EasyPSV[®] Starling[™] by Avery Dennison[®] is a high-quality, flexible calendared vinyl designed for a wide range of indoor and outdoor uses. This makes for excellent cutting, weeding, and transferring in all kinds of applications. A variety of opaque, solid colors are available in a matte finish with a few colors featured in high gloss to fit all your project needs!



Face: 3.0 mil (76 microns) high gloss high performance film



Adhesive: Permanent Clear Acrylic



Liner: 78# Bleached Kraft

Application Surfaces: Flat, Simple Curves

Features:

- Industry-leading weeding*
- Dishwasher safe*
- Efficient and precise conversion on commercial and craft plotters
- Outstanding durability and color fastness
- Excellent UV, temperature, humidity and salt water performance

Conversion:

- Craft and Professional Cutters

Common Applications:

- Glass/Mirror
- Metal
- Ceramic
- Cup Decals
- Window/Mirror Decals
- Car Decals

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Customer Service: 800-282-8379

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Physical Characteristics:

Property	Measurement	Typical Value
Caliper, face		3.0 mil (76µm)
Caliper, adhesive		1.0 mil (25 µm)
Dimensional stability		<0.03"(0.765mm)
Tensile at Yield		9.0 -15.0 lb/in (1.6 - 2.7 kg/cm)
Elongation		100% min.
Gloss	Hunter Gloss @ 60 degrees	80 GU
Adhesion:	Stainless Steel 15 min 24 hr	3.0 lbs/in (525 N/m) 4.4 lbs/in (770 N/m)
Flammability	FMVSS302	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	Reference color and warranty charts in this data sheet.
Min. Application Temperature		50° F (10° 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

*Dishwasher safe claims based on Avery Dennison internal testing of EasyPSV® Starling by Avery Dennison calendared film. Dishwasher safe claims up to 80 washes; top rack; heat dry; on glass, porcelain, and stainless steel. Testing was completed with various fonts. Dishwasher safe performance may vary by font.

*Weeding performance claims based on Avery Dennison internal testing of EasyPSV® Starling by Avery Dennison calendared film against other leading manufacturers' calendared films. Testing was completed with various colored films. Weeding performance may vary by color.

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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.

THE WARRANTY EXPRESSLY SET FORTH ABOVE IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR USE AND/OR NON-INFRINGEMENT. SELLER SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER SUCH WARRANTIES. NO WAIVER, ALTERATION, ADDITION OR MODIFICATION OF THE FOREGOING CONDITIONS SHALL BE VALID UNLESS MADE IN WRITING AND MANUALLY SIGNED BY AN OFFICER OF AVERY DENNISON.

AVERY DENNISON'S LIABILITY FOR DEFECTIVE PRODUCTS SHALL NOT EXCEED THE PURCHASE PRICE PAID THEREFORE BY PURCHASER AND IN NO EVENT SHALL AVERY DENNISON BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHETHER FORESEEABLE OR NOT, CAUSED BY DEFECTS IN SUCH PRODUCT, WHETHER SUCH DAMAGE OCCURS OR IS DISCOVERED BEFORE OR AFTER REPLACEMENT OR CREDIT, AND WHETHER OR NOT SUCH DAMAGE IS CAUSED BY AVERY DENNISON'S NEGLIGENCE.

All sales and contracts for sale of Products are subject to Purchaser's assent and agreement to this Warranty. Avery Dennison hereby objects to any terms or conditions contained in any purchase order or other communication of any kind from the Purchaser that is conflicting, inconsistent or additional to this Agreement.

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Related Documents:

The following Avery Dennison literature will provide necessary information to the user for proper application, storage, and other requirements and is available upon request from your Avery Dennison representative or from the Avery Dennison website (www.graphics.averydennison.com).

Document Title	Reference Number
Substrate Cleaning and Preparation	Instructional Bulletin # 1.10
Storage, Maintenance and Cleaning of PVC Films	Instructional Bulletin # 1.20
Durability of Films	Instructional Bulletin # 1.30
Converting Tips for Sign Films	Instructional Bulletin # 2.10

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:

HP750 Series Name	Finish	Vertical Durability Zone 1 Years	HP750 Series Name	Finish	Vertical Durability Zone 1 Years
HP750-101-O SISER White Cloud	Gloss	6	HP750-102-O SISER White Cloud	Matte	6
HP750-180-O SISER Black Cat	Matte	6	HP750-190-O SISER Black Cat	Gloss	6
HP750-227-M SISER Golden	Gloss	3	HP750-213-M SISER Silver Dollar	Gloss	3
HP750-930-M Bronze Metallic	Matte	3	HP750-509-M SISER Rose Gold	Gloss	6
HP750-507-O SISER Carnation Pink	Matte	6	HP750-439-O SISER Ketchup Red	Matte	6
HP750-203-O SISER Canary Yellow	Matte	6	HP750-364-O SISER Orange Soda	Matte	6
HP750-518-O SISER Tropical Pink	Matte	6	HP750-799-O SISER Emerald	Matte	6
HP750-228-O SISER Dandelion	Matte	6	HP750-852-O SISER Graphite	Matte	6
HP750-743-O SISER Totally Teal	Matte	6	HP750-451-O SISER Holly Berry	Matte	6
HP750-991-O SISER Coffee	Matte	6	HP750-638-O SISER Blue Skies	Matte	6
HP750-314-O SISER Orange	Matte	6	HP750-704-O SISER Aqua	Matte	6
HP750-769-O SISER Alligator Green	Matte	6	HP750-563-O SISER Royal Purple	Matte	6
HP750-571-O SISER Violet	Matte	6	HP750-473-O SISER Merlot	Matte	6
HP750-971-O SISER Camel	Matte	6	HP750-576-O SISER Wisteria	Matte	6
HP750-746-O SISER Turtle Green	Matte	6	HP750-918-O SISER Dark Beige	Matte	6
HP750-744-O SISER Lime Green	Matte	6	HP750-961-O SISER Pumpkin Pie	Matte	6
HP750-666-O SISER Nautical Blue	Matte	6	HP750-504-O SISER Cherry Blossom Pink	Matte	6
HP750-416-O SISER Persimmon	Matte	6	HP750-719-O SISER Sea Glass	Matte	6
HP750-505-O SISER Coral Reef	Matte	6	HP750-607-O SISER Twilight Navy	Matte	6

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HP750-723-O SISER Bright Green	Matte	6	HP750-609-O SISER Cobalt	Matte	6
HP750-724-O SISER Fresh Mint	Matte	6	HP750-613-O SISER Soft Blue	Matte	6
HP750-919-O SISER Cream & Sugar	Matte	6	HP750-506-O SISER Light Orchid	Matte	6
HP750-727-O SISER Citrus	Matte	6	HP750-739-O SISER Green Olive	Matte	6
HP750-740-O SISER Retro Mint	Matte	6	HP750-503-O SISER Flamingo	Matte	6
HP750-317-O SISER Pale Peach	Matte	6	HP750-922-O SISER Hazelnut	Matte	6
HP750-606-O SISER Periwinkle	Matte	6	HP750-742-O SISER Sage	Matte	6
HP750-924-O SISER Cashew	Matte	6	HP750-925-O SISER Latte	Matte	6
HP750-223-O SISER Mustard	Matte	6	HP750-318-O Light Apricot	Matte	6
HP750-926-O SISER Mocha	Matte	6			

NOTE: Some color fade may occur in severe environmental areas. Reference [IB 1.30](#) for durability guidelines.

Special Considerations:

Because of the unique properties and varieties of glass, special considerations must be considered for windows and graphic applications. Avery Dennison accepts no liability for glass breakage.

- Glass absorbs heat when exposed to sunlight. The degree of absorption across windows can vary because of shading, heating, and cooling ventilation, and insulation from window frames. These temperature differences across the window produce stress, which can cause glass breakage. The ability of glass to resist breakage because of temperature stress is affected by window size, glass thickness, glass treatments, quality, and design.
- Window cleaning methods also vary, from the type of cleaners used, to the washing methods employed. Specific chemicals used in window cleaners may affect the adhesion of pressure-sensitive graphics. Power washing methods may impact the adhesion of graphics, if the water pressure or temperature exceeds the graphics adhesion capability.

Revisions are italicized

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