

# Avery Dennison® HP750 High Performance Cut Vinyl Film Series

Opaque Permanent

Revision: 2 Dated: 06/01/18

## Uses:

Avery Dennison® HP750 High Performance films are premium quality, flexible, opaque solid color high gloss vinyl films designed for use in a wide range of sign making applications. This construction provides excellent cutting, weeding and transferring characteristics for signage applications. This product is ideal for a variety of intermediate term outdoor projects.



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



**Adhesive:** Patented Advanced Acrylic Adhesive Technology (PAAAT)



**Liner:** 78# Bleached Kraft

**Application Surfaces:** Flat, Simple Curves

## Features:

- Patented Advanced Acrylic Adhesive Technology (PAAAT) enhances shelf life and results in best-in-class weeding
- Broadest color palette in the industry for color confidence
- Efficient and precise conversion on commercial and craft plotters
- Outstanding durability and color fastness
- High-gloss finish
- Excellent UV, temperature, humidity and salt spray performance
- Pantone® color reference makes design easy

## Conversion:

- Thermal Die-Cutting
- Steel Rule Die-Cut
- Thermal Transfer
- Drum Roller Sign-Cut

## Common Applications:

- Trucks
- Trailers
- Architectural Signage
- Cars & Vans
- Trains & Light Rail
- Buses
- OEM Durable Decals

## Product Data Sheet

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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:                    | 15 min<br>24 hr           | 3.0 lbs/in (525 N/m)<br>3.5 lbs/in (613 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  |

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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](http://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 |
| Application Instructions for Avery Dennison® Films                               | Instructional Bulletin # 4.00 |
| Removal Instructions for Avery Cast, Calendered, Reflective, and Polyester Films | Instructional Bulletin # 4.10 |
| Thermal Transfer Printing, Converting, Operating, and Product Instructions       | Instructional Bulletin # 5.10 |
| Tips for Overlaminating, Premasking & Packaging Graphics                         | Instructional Bulletin # 5.50 |
| Stainless Steel Application Outdoor Durability                                   | Instructional Bulletin # 6.80 |

## 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](mailto: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                   | Vertical Durability Zone 1 Years | HP750 Series Name                    | Vertical Durability Zone 1 Years |
|-------------------------------------|----------------------------------|--------------------------------------|----------------------------------|
| HP750-101-O White (blue liner)      | 6                                | HP750-102-O Matte White (blue liner) | 6                                |
| HP750-103-O Clear                   | 3                                | HP750-104-O Matte Clear              | 3                                |
| HP750-105-O True White (blue liner) | 6                                | HP750-108-O Cover White              | 6                                |
| HP750-180-O Matte Black             | 6                                | HP750-190-O Black                    | 6                                |
| HP750-206-O Pantone® Proc Yellow C  | 6                                | HP750-210-O Primrose Yellow          | 6                                |
| HP750-215-O Gold                    | 3                                | HP750-220-O Canary Yellow            | 6                                |
| HP750-225-O Rubber Duckie           | 6                                | HP750-230-O Medium Yellow            | 6                                |
| HP750-235-O Yellow                  | 6                                | HP750-240-O Sunflower Yellow         | 6                                |
| HP750-250-O Dark Yellow             | 6                                | HP750-253-O Imitation Gold           | 6                                |
| HP750-315-O Tangerine               | 6                                | HP750-355-O Apricot                  | 6                                |
| HP750-360-O Orange                  | 6                                | HP750-362-O Pantone® 021 C           | 6                                |
| HP750-380-O Bright Orange           | 6                                | HP750-405-O Pantone® 1797 C          | 6                                |
| HP750-417-O Real Red                | 6                                | HP750-418-O Luminous Red             | 6                                |
| HP750-425-O Tomato Red              | 6                                | HP750-430-O Cardinal Red             | 6                                |

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|                             |   |                                     |   |
|-----------------------------|---|-------------------------------------|---|
| HP750-440-O Red             | 6 | HP750-445-O Fire Red                | 6 |
| HP750-450-O Dark Red        | 6 | HP750-460-O Spectra Red             | 6 |
| HP750-470-O Burgundy        | 6 | HP750-480-O Burgundy Maroon         | 6 |
| HP750-508-O Soft Pink       | 6 | HP750-513-O Pantone® Violet C       | 6 |
| HP750-515-O Blossom         | 6 | HP750-519-O Blush                   | 6 |
| HP750-530-O Magenta         | 6 | HP750-565-O Purple                  | 6 |
| HP750-570-O Berry           | 6 | HP750-575-O Lavender                | 6 |
| HP750-625-O Majestic Blue   | 6 | HP750-620-O Shade Blue              | 6 |
| HP750-626-O Pantone® 285 C  | 6 | HP750-628-O Pantone® 286 C          | 6 |
| HP750-630-O Olympic Blue    | 6 | HP750-635-O Nautical Blue           | 6 |
| HP750-640-O Light Blue      | 6 | HP750-642-O Cascade Blue            | 6 |
| HP750-645-O Peacock Blue    | 6 | HP750-650-O Powder Blue             | 6 |
| HP750-652-O Butterfly Blue  | 6 | HP750-655-O Medium Blue             | 6 |
| HP750-659-O Pantone® 293 C  | 6 | HP750-665-O Intense Blue            | 6 |
| HP750-670-O Vivid Blue      | 6 | HP750-675-O Interstate Blue         | 6 |
| HP750-678-O Pantone® 300 C  | 6 | HP750-679-O Pantone® Reflex Blue C  | 6 |
| HP750-680-O Sapphire Blue   | 6 | HP750-682-O Pantone® Process Blue C | 6 |
| HP750-683-O Royal Blue      | 6 | HP750-687-O Impulse Blue            | 6 |
| HP750-690-O Light Navy      | 6 | HP750-695-O Dark Blue               | 6 |
| HP750-705-O Dark Aqua       | 6 | HP750-715-O Real Teal               | 6 |
| HP750-720-O Teal            | 6 | HP750-726-O Pantone® 354 C          | 6 |
| HP750-730-O Dark Teal       | 6 | HP750-734-O Pantone® 375 C          | 6 |
| HP750-760-O Apple Green     | 6 | HP750-765-O Olive Green             | 6 |
| HP750-770-O Kelly Green     | 6 | HP750-772-O Grow Green              | 6 |
| HP750-775-O Bright Green    | 6 | HP750-778-O Green                   | 6 |
| HP750-780-O Yellow Green    | 6 | HP750-785-O Forest Green            | 6 |
| HP750-790-O Deep Green      | 6 | HP750-793-O Dark Green              | 6 |
| HP750-817-O Silver          | 3 | HP750-804-O Pewter                  | 6 |
| HP750-810-O Light Gray      | 6 | HP750-820-O Palm Oyster             | 6 |
| HP750-825-O Light Ash Gray  | 6 | HP750-830-O Slate Gray              | 6 |
| HP750-835-O Medium Gray     | 6 | HP750-855-O Dark Gray               | 6 |
| HP750-870-O Battleship Gray | 6 | HP750-910-O Almond                  | 6 |
| HP750-920-O Beige           | 6 | HP750-921-O Dark Beige              | 6 |
| HP750-960-O Terra Cotta     | 6 | HP750-965-O Sandstone               | 6 |
| HP750-970-O Buckskin        | 6 | HP750-978-O Cocoa                   | 6 |
| HP750-983-O Dark Brown      | 6 | HP750-990-O Chocolate Brown         | 6 |

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

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## 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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