

Avery Dennison® PR800 Premium Cast Series

Translucent Permanent Kraft

(formerly: A6Translucent Series)

Revision: 4 Dated: 04/18/17

Uses:

Avery Dennison® PR 800 Premium Cast Translucent intermediate films are flexible translucent cast vinyl films which are designed for non-specified computer-cut graphic applications including internally-illuminated signs and awnings. Avery Dennison® PR 800 Premium Cast Translucent films offer excellent cutting and weeding on computer sign making equipment, and adhere to a wide variety of properly prepared substrates. Should be applied to flexible backlit scrim, glass, polycarbonates, and acrylics (should be tested prior to use)



Face: 2.5 mil (64 microns) matte cast film



Adhesive: Clear Permanent Acrylic



Liner: 83# Kraft liner



Durability: Up to 6 years

Application Surfaces:

Flat

Features:

- Outstanding durability and outdoor performance
- Dimensionally stable liner for easy converting
- Matte Finish
- Excellent conversion on CAD plotters
- Easy cutting & weeding
- Excellent dimensional stability
- Excellent UV, temperature, humidity, and salt-spray resistance
- Custom colors available (contact your sales representative)

Conversion:

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

Common Applications:

- Architectural Signage
- Directional Signage
- Outdoor Signage

Product Data Sheet

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Graphics
Solutions

graphics@averydennison.com
Customer Service: 800-282-8379

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Physical Characteristics:

Property		Typical Value
Caliper, face		2.5 mil (64 microns)
Caliper, adhesive		1.0mil (25 µm)
Dimensional stability		<0.015"(0.4mm)
Tensile at Yield		4.0 - 8.0 lb/in (0.7–1.5 kg/cm)
Elongation		100% min.
Gloss	Measured @ 60°	20 GU
Adhesion: stainless steel	15 min 24 hr	2.2 lbs/in (385 N/m) 3.0 lbs/in (525 N/m)
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	Up to 6 years, vertical exposure <i>Reference color and durability charts in this data sheet. See page 3</i>
Min. Application Temperature		40° F (4° C) Flat
Service Temperature		-50° - 180°F (-45° - 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.

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.

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.

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PR800 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.

KR = Kraft liner

PR-800 Translucent Series Name	Item #'s	Durability Zone 1 Years
PR 800-101-T White Perm KR	6001T	6 years
PR 800-190-T Black Perm KR	6090T	6 years
PR 800-210-T Primrose Yellow Perm KR	6110T	6 years
PR 800-240-T Sunflower Yellow Perm KR	6140T	6 years
PR 800-363-T Pumpkin Orange Perm KR	6163T	6 years
PR 800-430-T Cardinal Red Perm KR	6330T	6 years
PR800-440-T Red Perm KR	6340T	6 years
PR800-646-T Bright Blue Perm KR	6567T	6 years

PR-800 Translucent Series Name	Item #'s	Durability Zone 1 Years
PR 800-672-T Sultan Blue Perm KR	6572T	6 years
PR 800-674-T Ultra Marine Blue Perm KR	6574T	6 years
PR 800-683-T Royal Blue Perm KR	6583T	6 years
PR800-761-T Green Yellow Perm KR	6662T	6 years
PR 800-781-T Medium Green Perm KR	6681T	6 years
PR 800-782-T Bottle Green Perm KR	6682T	6 years
PR 800-996-T Bruin Brown Perm KR	6281T	6 years

NOTE: Some color fade may occur in severe environmental areas. Reference IB 1.30 for durability guidelines. Duranodic and Black are effectively opaque in most signage application.

Discontinued Colors:

PR800 Translucent Series Name	Item #'s	Vertical Durability Zone 1 Years	Date
PR800-707-T Tidewater	6607T	6 years	
PR 800-471-T Wine Red Perm KR	6371T	6 years	01/01/17

PR800 Translucent Series Name	Item #'s	Vertical Durability Zone 1 Years	Date
PR 800-661-T Ocean Blue Perm KR	6572T	6 years	01/01/17
PR800-696-T Midnight Blue Perm KR	6591T	6 years	01/01/17

Color Matching:

Fast turnaround service is offered for projects where specific color needs cannot be obtained from the broad offering of stock colors. Matches can be made to Pantone® color references, or by submitting a small reference sample (minimum 4" x 4") For match requirements, contact your Avery Dennison® representative.

Pantone® Cross Reference:

Avery Dennison® has been certified to produce custom color films matching Pantone® color number references. A range of pre-matched Pantone® colors are available for ease of use for designers and sign makers. Custom color matches are available by referencing the Pantone® color system. For match requirements, contact your Avery Dennison® representative.

Related Literature:

The following Avery Dennison® literature will provide complete 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.na.averygraphic.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 Avery Dennison® Films	Instructional Bulletin # 1.30
Converting Tips for Sign Films	Instructional Bulletin # 2.10
Thermoforming of Translucent Films	Instructional Bulletin # 2.20
Applying Translucent Films to Flex Face	Instructional Bulletin # 4.01

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