

# Avery® PR 800 Premium Cast Series

Translucent Permanent Kraft

(formerly: A6 Translucent Series)

Revision: 1 Dated: 7/27/2010

## Uses:

Avery Graphics™ 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 Graphics™ 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:** 3.0 mil (76 microns) matte cast film



**Adhesive:** Clear Permanent Acrylic



**Liner:** 78# White, Poly-Coated



**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

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

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

## Common Applications:

Architectural Signage  
Directional Signage  
Outdoor advertising

## Product Data Sheet

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## Physical Characteristics:

Property	Value
Caliper, face	3.0 mil (76 microns)
Caliper, adhesive	1.0mil (25 µm)
Dimensional stability	<0.015"(0.4mm)
Tensile at Yield	7.0 - 8.0 lb/in (1.3 -2.25 kg/cm)
Elongation	100% min.
Gloss	30
Adhesion: 24 hr. to stainless steel	2.7 lbs/in (473 N/m)
1 week	3.0 lbs/in (525 N/m)
Flammability	Self Extinguishing
Shelf-Life	1 year
Durability	Vertical Exposure Up to 6 years, vertical exposure
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.

### 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:

All statements, technical information 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 with the understanding that Purchaser has independently determined the suitability of such products for its purposes. Avery Dennison products are warranted to be free from defects in material and workmanship for either one year (or the period stated on the specific product information literature in effect at time of delivery, if longer) from date of shipment if said product is properly stored and applied. 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 to repair or replacement of defective product without charge at Avery Dennison's plant or at the location of product (at Avery Dennison's election), or in the event replacement or repairs is not commercially practical, to Avery Dennison's issuing Purchaser a credit reasonable in light of the defect in the product.

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.

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## Product Data Sheet

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## Colors: Cross Reference

A6 TRANSLUCENT SERIES	AVERY 800 PREMIUM CAST TRANSLUCENT PERMANENT KRAFT	A6 TRANSLUCENT SERIES	AVERY 800 PREMIUM CAST TRANSLUCENT PERMANENT KRAFT
A6001-T White	PR 800-101-T White	A6572-T Sultan Blue	PR 800-672-T Sultan Blue
A6090-T Black	PR 800-190-T Black	A6574-T Ultra Marine Blue	PR 800-674-T Ultra Marine Blue
A6110-T Primrose Yellow	PR 800-210-T Primrose Yellow	A6583-T Royal Blue	PR 800-683-T Royal Blue
A6140-T Sunflower Yellow	PR 800-240-T Sunflower Yellow	A6591-T Twilight Blue	PR 800-691-T Twilight Blue
A6163-T Pumpkin Orange	PR 800-363-T Pumpkin Orange	A6607-T Tidewater	PR 800-707-T Tidewater
A6330-T Cardinal Red	PR 800-430-T Cardinal Red	A6662-T Green Yellow	PR 800-761-T Green Yellow
A6340-T Red	PR 800-440-T Red	A6681-T Medium Green	PR 800-781-T Medium Green
A6371-T Wine Red	PR 800-471-T Wine Red	A6682-T Bottle Green	PR 800-782-T Bottle Green
A6567-T Bright Blue	PR 800-646-T Bright Blue	A6280-T Rust Brown	PR 800-980-T Rust Brown

### COMMENTS:

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

## 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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