



PERFORMANCE GUIDE

Represents Typical Values Only

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PTW1691-0

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2.3 mil White Polypropylene / PUREtac CL216 / 1 mil PET

Description

Product

PTW1691-0 is a 2.3 mil white top coated Polypropylene film with a quick tack permanent adhesive designed for prime film labeling and a 1 mil PET liner.

Applications and End Uses

Label applications requiring a semi-conformable film for food, cosmetic, beverage, and household cleaner market segments. Excellent flexo and thermal transfer printability. The facestock and adhesive are in compliance with FDA regulations for direct contact to foods.

Face

A 2.3 mil white, solid core, top coated, biaxially oriented polypropylene (BOPP) film designed for excellent printing, converting and label dispensing. Proprietary top coating delivers excellent adhesion for superior graphics and print receptivity for various methods including: UV Flexo, Water Flexo, Gravure, UV Inkjet, Hot Stamp and Thermal Transfer.

Physical Properties Without Adhesive

Caliper, inches	0.0023 (2.3 mil)	ASTM 313E
Gloss % Reflectance at 45° angle	50	ASTM D2457
Whiteness Index	90	ASTM D1003
Tensile, lbs./in.	20 MD 35 CD	ASTM D882
Elongation, %	180 MD 60 CD	ASTM D882

Adhesive

MACtac PUREtac CL216 is a permanent, rubber-based adhesive with excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene and polyethylene. MACtac PUREtac CL216 is designed for film labeling applications. It exhibits exceptional clarity and resistance to water whitening. Suitable for cold, damp labeling applications. Very good high speed and wider web converting.

Physical Properties of Adhesive

Thickness, inches	0.0007 +/- 10%	
180° Peel Adhesion, lbs./in.		CTM-8 (30 min. applied) Reference: PSTC-101A
	HDPE: 3.5	
	Stainless Steel: 3.9	
	LDPE: 3.2	
	Glass: 3.8	
Loop Tack (1"), lbs./in.		PSTC-16
	HDPE: 2.9	
	Stainless Steel: 5.3	
	LDPE: 2.6	
	Glass: 5.2	
Temperature Ranges		
Minimum Application	+32°F (0°C)	CTM #45 Curwood
Service Ranges	-50°F to +160°F (-46°C to +71°C)	Polyester Film Dry Surface

Liner

A 1 mil clear polyester liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications.

Caliper, inches	0.00092 +/- 10%	TAPPI T-411
Basis Weight, lbs. (24" x 36"/500 sheets)	19.8 +/- 10%	TAPPI T-410

Shelf Life

One year when stored at 72° F and 50% R.H.

This product complies with CONEG regulations. All MACtac Roll Label products meet the requirements of the Clean Air Act of 1990.

Note: The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, or regulatory compliances, please contact your MACtac sales representative to discuss your requirements for recommendations. If this is a printed Performance Guide, it is an uncontrolled document. Please check the MACtac website for the latest, most up-to-date version at www.mactac.com

CALL 1-800-548-3456 for additional product information

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