



PERFORMANCE GUIDE

Represents Typical Values Only

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PTC1691-0

Revised: 8/12 KSH

2 mil Clear Polypropylene / PUREtac CL216 / .92 mil PET liner

Description

Product PTC1691-0 is a 2.0 mil clear 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, clear, "No Label Look" film for food, cosmetic, beverage, and household cleaner market segments. Excellent flexo and thermal transfer printability.

Face

A 2 mil clear, top coated, biaxially oriented polypropylene (BOPP) film designed for applications where ultra clarity is needed for a "no label" look. 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. Great stiffness for efficient dispensability.

Physical Properties Without Adhesive

Caliper, inches	0.002 (2.0 mil)	ASTM D2103
Gloss % Reflectance at 45° angle	85	ASTM D2547
Haze	2.5	ASTM D1003
Tensile, lbs./in.	20 MD 35 CD	ASTM D882
Elongation, %	180 MD 55 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. Complies with FDA 21 CFR 175.125 (a) and (b).

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.		CTM-25
	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 .92 mil clear polyester liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications. Specifically designed for use with clear film face materials or applications requiring excellent clarity.

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.

Product spec sheet

Ball & Doggett

ballanddoggett.com.au

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