



PERFORMANCE GUIDE

Represents Typical Values Only

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PTC1691-0

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2 mil Clear Polypropylene / PUREtac CL216 / 1 mil PET liner

Description	Applications and End Uses		
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.		
	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.		
	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 1 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.		

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

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

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