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**PTS1691-2**

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**2.0 mil Chrome Polypropylene / PUREtac CL216 / 1.2 mil PET**

Description	Applications and End Uses		
<b>Product</b>	PTS1691-2 is a 2.0 mil chrome top coated Polypropylene film with a quick tack permanent adhesive designed for prime film labeling and a 1.2 mil PET liner.		Label applications requiring a semi-conformable film for food, cosmetic, beverage, and household cleaner market segments.
<b>Face</b>	A 2.0 mil chrome, 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-based Flexo, Gravure, Screen and Offset.		
	<b>Physical Properties Without Adhesive</b>		
	Caliper, inches	0.002 (2.0 mil)	ASTM 313E
	Tensile, lbs./in.	58 MD 52 CD	ASTM D882
	Elongation at break, %	105 MD	ASTM D882
<b>Adhesive</b>	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.		
	<b>Physical Properties of Adhesive</b>		
	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
<b>Liner</b>	A 1.2 mil clear polyester liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to-roll applications.		
	Caliper, inches	0.0012 +/- 10%	TAPPI T-411
	Basis Weight, lbs. (24" x 36"/500 sheets)	26 +/- 10%	TAPPI T-410
<b>Shelf Life</b>	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](http://www.mactac.com)*

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

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