



# PERFORMANCE GUIDE

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## PJ6914

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## 2.6 mil White BOPP/ MP690 / 3.2 mil SCK

Description	Applications and End Uses		
<b>Product</b> PJ6914 - 2.6 mil gloss top-coated, white BOPP with a durable and aggressive permanent acrylic adhesive and a 3.2 SCK liner.  <i>BS 5609 Compliant. This product conforms to BS 5609: 1986 Section 2 – 'Marine and Laboratory Performance of Label Base Materials'.</i>	Designed for use in nameplate, durable equipment and drum and battery label applications. Excellent flexo and thermal transfer printability with most resin and wax/resin ribbons.		
<b>Face</b> 2.6 mil white BOPP, topcoated for superior printability via flexo and thermal transfer.  <b>Physical Properties Without Adhesive</b>	Caliper, inches Tensile, lbs./in. Minimum Application Service Ranges	0.0026 (2.6 mils) 35 MD 74 CD +50°F (10°C) -40°F to +275°F (-40°C to +135°C)	ASTM D-2103 TAPPI-494 CTM #45 Curwood Polyester Film Dry Surface
<b>Adhesive</b> MP690 is a high performance, durable, permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion and mandrel hold. It is extremely chemical and solvent resistant and has very good adhesion to various high and low energy substrates.  <b>Physical Properties of Adhesive</b>	Thickness, inches Peel Adhesion, lbs./in. <i>Temperature Ranges</i> Minimum Application Service Ranges Loop Tack – Stainless Steel, lbs./in.	0.001 +/- 10% 3.8  +50°F (10°C) -40°F to +302°F (-40°C to +150°C) 3.8	PSTC-101A  CTM #45 Curwood Polyester Film Dry Surface PSTC-16
<b>Liner</b> A semi-bleached, super-calendared kraft liner. Excellent for die cutting and stripping. The liner is coated with a release system designed for label dispensing. Primarily for roll-to-roll applications where a more demanding liner is needed.	Caliper, inches Basis Weight, lbs. (24" x 36"/500 sheets)	0.0032 +/- 10% 50 +/- 10%	TAPPI T-411 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: Thermal transfer printing quality and bar code scannability are dependent upon the interworking of several elements; the ribbon, the printhead and the facestock. Please test all applications. Consult MACTac's Technical Marketing Department for guidelines regarding printer and ribbon compatibility.**

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

## Performance Data

Typical peel value of 2 mil PET face applied to tested surface in lbs./in.

Surface	Initial	72 hours @ Room Temp.	72 hours @ 120° F.	24 hours @ 90° F. / 90% RH
Stainless Steel	3.0	5.9	6.8	1.5
Aluminum	3.2	5.8	6.3	3.7
Polypropylene	3.0	4.0	5.5	4.1
HDPE	2.5	5.7	4.1	4.1
LDPE	1.0	2.2	1.8	3.8
ABS	4.5	5.3	5.3	4.3
Polycarbonate	5.4	5.5	2.9	3.3
Glass	2.8	4.3	6.6	0.2

## Chemical Resistance

Typical peel value of 2 mil PET face applied to stainless steel and immersed in test chemicals for four hours, in lbs./in.

Chemical	Adhesion
Isopropyl Alcohol	4.6
Oil	6.4
Oil @ 250° F.	6.4
Water	4.3
Acid – pH 4	5.4
Base – pH 11	5.0
409® Cleaner	5.4
Toluene	2.5
Acetone	2.8
Brake Fluid	6.4
Gasoline	2.8
Diesel Fuel	5.8
Mineral Spirits	5.3
Hydraulic Fluid	6.3
Tide® Detergent	5.7
Kerosene	5.3
Heptane	4.9

**IMPORTANT NOTICE:** The information given and the recommendations made herein are based on our research and are believed to be accurate, but no guarantee of their accuracy or completeness is made. In every case, user shall determine before using any product in full scale production, or in any way, whether such product is suitable for user's intended use for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or fitness for a particular purpose, or any other warranty, express or implied. No representative of ours has any authority to waive or change the foregoing provisions, and no statement or recommendation not contained herein shall have any force of effect unless in an agreement signed by the officers of seller and manufacturer. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. The following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

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