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**PJ6914**

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

| Description   | Applications and End Uses   |                                  |                            |
|---|---|----------------------------------|----------------------------|
| <p><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.</p> <p><i>BS 5609 Compliant. This product conforms to BS 5609: 1986 Section 2 – ‘Marine and Laboratory Performance of Label Base Materials’ and BS 5609: 1986 Section 3 – ‘Laboratory Performance of Printed Labels’.</i></p> | <p>Designed for use in nameplate, durable equipment and drum and battery label applications.</p>  |                                  |                            |
| <b>Face</b>   | <p>This white top coated pearlescent polypropylene is a semi conformable film designed for excellent printing, converting and label dispensing. Print test product and consult with your ink supplier to confirm suitability for your application.</p>                    |                                  |                            |
| <b>Physical Properties</b>  | Caliper, inches   | 0.0026 (2.6 mils)                | ASTM D-2103                |
|   | Tensile, lbs./in.   | 35 MD 74 CD                      | TAPPI-494                  |
| <b>Adhesive</b>   | <p>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.</p> |                                  |                            |
| <b>Physical Properties of Adhesive</b>  | Thickness, inches   | 0.001 +/- 10%                    | PSTC-101A                  |
|   | Peel Adhesion, lbs./in.   | 2.9                              |                            |
|   | <i>Temperature Ranges</i>   |                                  |                            |
|   | Minimum Application   | +50°F (10°C)                     | CTM #45 Curwood            |
|   | Service Ranges  | -40°F to +200°F (-40°C to +93°C) | Polyester Film Dry Surface |
|   | Loop Tack –   | 2.9                              | PSTC-16                    |
|   | Stainless Steel, lbs./in.   |                                  |                            |
| <b>Liner</b>  | <p>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.</p>                   |                                  |                            |
|   | Caliper, inches   | 0.0032 +/- 10%                   | TAPPI T-411                |
|   | Basis Weight, lbs. (24" x 36"/500 sheets)   | 50 +/- 10%                       | TAPPI T-410                |
| <b>Shelf Life</b>   | <p>One year when stored at 72° F and 50% R.H.</p>   |                                  |                            |

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.**

## Performance Data

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

| Surface         | Initial | 72 hours @<br>Room Temp. | 72 hours @<br>120° F. | 24 hours @<br>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      |

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