



**023WP0010212NB**

**Item #: S8165960**

2.3 ML WHITE TC BOPP/102 PERMANENT ADHESIVE/1.2 ML PET NO BACK COAT

Approximate weight per MMSI: 169 lbs. Standard core size is 3 inches. Total caliper: 4.22 mils +/- 10%

**FACESTOCK**

A 2.3 mil white top coated BOPP with excellent compatibility using UV curing inks or water based flexo ink systems.

High stiffness for conversion and automatic dispensing. Great choice for prime labeling.

| Test Property            | Units            | Typical Value | Metric Units     | Metric Value | Test Method |
|--------------------------|------------------|---------------|------------------|--------------|-------------|
| Caliper Average (Films)  | mils             | 2.320         | um (micrometers) | 58.9         | ASTM D374   |
| Gloss - Films            | % @ 45 degress   | 48            | % @ 45 degrees   | 48.0         | ASTM D2457  |
| Opacity - Films          | %                | 80            | %                | 80.0         | ASTM D589   |
| Tensile Film - MD        | lb/sq inch       | 22,500        | kg/sq cm         | 1581.8       | ASTM D882   |
| Tensile Film - TD        | lb/sq inch       | 21,000        | kg/sq cm         | 1476.3       | ASTM D882   |
| Stiffness-MD             | Gurley (mg)      | 15            | mN               | .1           | TAPPI T543  |
| Stiffness-CD             | Gurley (mg)      | 17            | mN               | .2           | TAPPI T543  |
| Elongation at Break - MD | %                | 90            | %                | 90.0         | ASTM D882   |
| Elongation at Break - TD | %                | 100           | %                | 100.0        | ASTM D882   |
| Dim. Stability - MD      | % 60 sec @ 266 F | 3.0           | % 60 sec @ 130 C | 3.0          | ASTM D1204  |
| Dim. Stability - TD      | % 60 sec @ 266 F | -1.0          | % 60 sec @ 130 C | -1.0         | ASTM D1204  |
| Area Yield               | sq in/lb         | 12,150        | sq m/kg          | 17.4         | ASTM E252   |

**ADHESIVE**

A clear, water-resistant acrylic emulsion film adhesive, with high peel and tack, which adheres to a wide variety of surfaces, is blush resistant, and offers good wet-out.

| Test Property          | Units      | Typical Value | Metric Units   | Metric Value | Test Method |
|------------------------|------------|---------------|----------------|--------------|-------------|
| Caliper - Calculated   | mils       | 0.7           | um(micrometer) | 17.3         |             |
| Shear (1 x 1/2 x 1 kg) | hours      | 5.9           | hours          | 5.9          | CPD-55      |
| Peel - 180 D SS 20 min | lb/inch    | 1.8           | grams/25 mm    | 803.6        | CPD-52      |
| Loop Tack Stain Steel  | oz/sq inch | 38            | kg/645 sq mm   | 1.1          | CPD-16      |
| Min. App. Temp.        | F          | 40            | C              | 4            |             |
| Service Temp.          | F          | -40 TO 160    | C              | -40 TO 71    |             |
| FDA Compliance         | 21 CFR     | 175.105       |                |              |             |

**LINER**

Clear polyester with an excellent surface for die-cutting. Great strength for high speed converting and application.

| Test Property            | Units            | Typical Value | Metric Units     | Metric Value | Test Method |
|--------------------------|------------------|---------------|------------------|--------------|-------------|
| Caliper Average (Films)  | mils             | 1.2           | um (micrometers) | 30.5         | ASTM D374   |
| Tensile Film - MD        | lb/sq inch       | 32,000        | kg/sq cm         | 2249.6       | ASTM D882   |
| Tensile Film - TD        | lb/sq inch       | 32,000        | kg/sq cm         | 2249.6       | ASTM D882   |
| Elongation at Break - MD | %                | 130           | %                | 130.0        | ASTM D882   |
| Elongation at Break - TD | %                | 100           | %                | 100.0        | ASTM D882   |
| Shrinkage-MD             | % 30 min @ 302 F | 1.5           | % 30 min @ 150 C | 1.5          | ISO 2469    |
| Shrinkage-TD             | % 30 min @ 302 F | .4            | % 30 min @ 150 C | .4           | ISO 2469    |
| Elastic Modulus - MD     | lb/sq inch       | 550,000       | kg/sq cm         | 38665.0      | ASTM D882   |
| Elastic Modulus - TD     | lb/sq inch       | 550,000       | kg/sq cm         | 38665.0      | ASTM D882   |
| Area Yield               | sq in/lb         | 16,805        | sq m/kg          | 24.0         | ASTM E252   |

Issued: 08/22/17

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