



**020CL0011112NB**

**Item #: S8789352**

2.0 MIL TC CLEAR BOPP/111 PERMANENT ADHESIVE/1.2 MIL PET NO BACK COAT  
Approximate weight per MMSI: 154 lbs. Standard core size is 3 inches. Total caliper: 3.9 mils +/- 10%

**FACESTOCK**

2.0 mil clear top-coated BOPP offers excellent print results with water-based and UV flexo ink systems, and hot stamping. Ultra clear for a no-label look. Perfect for health and beauty aid, household care, pharmaceutical, and beverage labeling.

| Test Property            | Units          | Typical Value | Metric Units     | Metric Value | Test Method |
|--------------------------|----------------|---------------|------------------|--------------|-------------|
| Caliper Average (Films)  | mils           | 2.0           | um (micrometers) | 50.8         | ASTM D374   |
| Gloss                    | % @ 45 degrees | 87            | %                | 87.0         | ASTM D2457  |
| Tensile Film - MD        | lb/sq inch     | 16500         | kg/sq cm         | 1160.0       | ASTM D882   |
| Tensile Film - TD        | lb/sq inch     | 33500         | kg/sq cm         | 2355.1       | ASTM D882   |
| Stiffness-MD             | Gurley (mg)    | 14            | mN               | 1427.6       | TAPPI T543  |
| Stiffness-CD             | Gurley (mg)    | 24            | mN               | 2447.3       | TAPPI T543  |
| Elongation at Break - MD | %              | 190           | %                | 190.0        | ASTM D882   |
| Haze                     | %              | 2.0           | %                | 2.0          | ASTM D1003  |
| Dim. Stability - MD      | % @ 275 F      | -3.5          | % @ 135 C        | -3.5         | ASTM D1204  |
| Area Yield               | sq in/lb       | 15,000        | sq m/kg          | 21.5         | ASTM E252   |

**ADHESIVE**

A permanent, acrylic emulsion adhesive that is designed for films. It has excellent water whitening resistance. Adheres well to low-surface-energy plastics. Can be used in squeeze applications.

| 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      | 5.1           | hours          | 5.1          | CPD-55      |
| Peel - 180 D SS 20 min         | lb/inch    | 1.491         | grams/25 mm    | 665.7        | CPD-52      |
| Peel - 180 D HDPE 20 min       | lb/inch    | 1.08          | grams/25 mm    | 482.2        | CPD-52      |
| Peel - 180 D LDPE 20 min       | lb/inch    | 1.009         | grams/25 mm    | 450.5        | CPD-52      |
| Peel - 180 D Glass 20 min      | lb/inch    | 1.538         | grams/25 mm    | 686.6        | CPD-52      |
| Peel - 180 D Corrugated 20 min | lb/inch    | .694          | grams/25 mm    | 309.8        | CPD-52      |
| Loop Tack Stain Steel          | oz/sq inch | 37            | kg/645 sq mm   | 1.0          | CPD-16      |
| Loop Tack HDPE                 | oz/sq inch | 29            | kg/645 sq mm   | .8           | CPD-16      |
| Loop Tack LDPE                 | oz/sq inch | 22            | kg/645 sq mm   | .6           | CPD-16      |
| Loop Tack Corrugated           | oz/sq inch | 8             | kg/645 sq mm   | .2           | CPD-16      |
| Loop Tack Glass                | oz/sq inch | 39            | kg/645 sq mm   | 1.1          | CPD-16      |
| Min. App. Temp.                | F          | 32            | C              | 0            |             |
| Service Temp.                  | F          | -4 TO 257     | C              | -20 TO 125   |             |
| FDA Compliance                 | 21 CFR     | 175.105       |                |              |             |

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**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        | mil              | 1.2           | um (micrometer)  | 30.5         | TAPPI T411  |
| 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    |
| Area Yield               | sq in/lb         | 16,805        | sq m/kg          | 24.0         | ASTM E252   |

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