



**0TTFP0010212NB**

**Item #: S8166560**

SELECT THERMAL TRANSFER/102 PERMANENT ADHESIVE/1.2 ML PET NO BACK COAT  
Approximate weight per MMSI: 179 lbs. Standard core size is 3 inches. Total caliper: 4.65 mils +/- 10%

**FACESTOCK**

A 44# (65 g/m<sup>2</sup>) multi-purpose thermal transfer sheet. Premium coating for enhanced flexo graphics.

| Test Property         | Units           | Typical Value | Metric Units    | Metric Value | Test Method |
|-----------------------|-----------------|---------------|-----------------|--------------|-------------|
| Basis Weight          | lbs/25X38-500   | 44            | grams/sq meter  | 65.1         | TAPPI T410  |
| Caliper - Average     | mil             | 2.85          | um (micrometer) | 72.4         | TAPPI T411  |
| Moisture              | %               | 4.8           | %               |              | TAPPI T412  |
| Opacity               | %               | 87            | %               | 87.0         | TAPPI T425  |
| Smoothness Print Side | Sheffield Units | 25.00         | Sheffield Units | 25.0         | TAPPI T538  |
| Tear-MD               | grams           | 42            | mN              | 411.9        | TAPPI T414  |
| Tear-CD               | grams           | 42            | mN              | 411.9        | TAPPI T414  |
| Tensile-MD            | lb/inch         | 26            | kN/m            | 4.6          | TAPPI T494  |
| Tensile-CD            | lb/inch         | 17            | kN/m            | 3.0          | TAPPI T494  |
| Brightness            | %               | 86.5          | %               | 86.5         | TAPPI T452  |

**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       | 0.6           | um(micrometer) | 16.4         |             |
| 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   |

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3250 South Ridge Road • P. O. Box 19017 • Green Bay, WI 54307-9017 • USA

Phone: 001-(920)-337-1800, 800-445-4269, WI: 800-472-4442 • FAX: 001-(920)-337-1797, 800-705-0111