



**095RK0074740SC**

**Item #: S7549860**

4.1 ML DIRECT THERM BOPP/747 PERMANENT ADHESIVE/40 SC LINER

Approximate weight per MMSI: 239 lbs. Standard core size is 3 inches. Total caliper: 7.2 mils +/- 10%

**FACESTOCK**

4.1 mil white BOPP film with direct thermal coating. Top coated for durability. Medium degree of sensitivity.

| Test Property             | Units         | Typical Value | Metric Units    | Metric Value | Test Method |
|---------------------------|---------------|---------------|-----------------|--------------|-------------|
| Basis Weight              | lbs/25X38-500 | 55.5          | grams/sq meter  | 82.1         | TAPPI T410  |
| Caliper - Average         | mil           | 4.1           | um (micrometer) | 104.1        | TAPPI T411  |
| Tear-MD                   | grams         | 44            | mN              | 431.5        | TAPPI T414  |
| Tear-CD                   | grams         | 37            | mN              | 362.8        | TAPPI T414  |
| Tensile-MD                | lb/inch       | 44            | kN/m            | 7.7          | TAPPI T494  |
| Stiffness-MD              | Gurley (mg)   | 95            | mN              | 9687.3       | TAPPI T543  |
| Stiffness-CD              | Gurley (mg)   | 128           | mN              | 13052.4      | TAPPI T543  |
| Initial Activation Temp   | F             | 167           | C               | 75           | ISO 1924    |
| Effective Activation Temp | F             | 212           | C               | 100          | ISO 1924    |
| Optimum Activation Temp   | F             | 300           | C               | 149          | ISO 1924    |

**Notes**

<http://gbp.com/coated-direct-thermal-ink-recommendations>

**ADHESIVE**

A general purpose, tackified acrylic permanent that displays excellent adhesion over a broad temperature range while providing aggressive performance. Perfect for wine labeling, as it can be used in moist environments. Withstands ice bucket conditions.

| Test Property          | Units      | Typical Value | Metric Units   | Metric Value | Test Method |
|------------------------|------------|---------------|----------------|--------------|-------------|
| Caliper - Calculated   | mils       | 0.7           | um(micrometer) | 16.6         |             |
| Shear (1 x 1/2 x 1 kg) | hours      | 15            | hours          | 15.0         | CPD-55      |
| Peel - 180 D SS 20 min | lb/inch    | 3.3           | grams/25 mm    | 1473.3       | CPD-52      |
| Loop Tack Stain Steel  | oz/sq inch | 53            | kg/645 sq mm   | 1.5          | CPD-16      |
| Loop Tack Glass        | oz/sq inch | 60            | kg/645 sq mm   | 1.7          | CPD-16      |
| Min. App. Temp.        | F          | 0             | C              | -18          |             |
| Service Temp.          | F          | -65 TO 200    | C              | -54 TO 93    |             |
| FDA Compliance         | 21 CFR     | 175.105       |                |              |             |

**LINER**

A white densified kraft sheet 41# (67 g/m<sup>2</sup>) with excellent point-to-point caliper control.

| Test Property     | Units         | Typical Value | Metric Units    | Metric Value | Test Method |
|-------------------|---------------|---------------|-----------------|--------------|-------------|
| Basis Weight      | lbs/24X36-500 | 41            | grams/sq meter  | 66.8         | TAPPI T410  |
| Caliper - Average | mil           | 2.4           | um (micrometer) | 61.0         | TAPPI T411  |
| Opacity           | %             | 60            | %               | 60.0         | TAPPI T425  |
| Tear-MD           | grams         | 34            | mN              | 333.4        | TAPPI T414  |
| Tear-CD           | grams         | 39            | mN              | 382.5        | TAPPI T414  |
| Tensile-MD        | lb/inch       | 40            | kN/m            | 7.0          | TAPPI T494  |
| Tensile-CD        | lb/inch       | 17            | kN/m            | 3.0          | TAPPI T494  |

Issued: 09/21/17

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