



# PRODUCT INFORMATION

**022TD0074740SC**

**Item #: S7552960**

HI SENSITIVITY DT FSC/747 PERMANENT ADHESIVE/40 SC LINER

Approximate weight per MMSI: 236 lbs. Standard core size is 3 inches. Total caliper: 6.1 mils +/- 10%

## FACESTOCK

A 53# (78 g/m<sup>2</sup>) top coated direct thermal coated paper for more demanding applications and higher imaging speeds.

FSC®-certified paper.

| Test Property               | Units                         | Typical Value | Metric Units    | Metric Value | Test Method |
|-----------------------------|-------------------------------|---------------|-----------------|--------------|-------------|
| Basis Weight                | lbs/25X38-500<br>(3300 Sq Ft) | 52.8          | grams/sq meter  | 78.1         | TAPPI T410  |
| Caliper - Average           | mil                           | 3.0           | um (micrometer) | 76.2         | TAPPI T411  |
| Smoothness (PPS) Print Side | um                            | .9            | um              | .9           | TAPPI T555  |
| Tear-MD                     | grams                         | 43            | mN              | 421.7        | TAPPI T414  |
| Tear-CD                     | grams                         | 44            | mN              | 431.5        | TAPPI T414  |
| Tensile-MD                  | lb/inch                       | 32            | kN/m            | 5.6          | TAPPI T494  |
| Tensile-CD                  | lb/inch                       | 16            | kN/m            | 2.8          | TAPPI T494  |
| Stiffness-MD                | Gurley (mg)                   | 90            | mN              | .9           | TAPPI T543  |
| Stiffness-CD                | Gurley (mg)                   | 40            | mN              | .4           | TAPPI T543  |
| Brightness                  | %                             | 83.0          | %               | 83.0         | TAPPI T452  |
| Initial Activation Temp     | F                             | 171           | C               | 77           | ISO 1924    |
| Effective Activation Temp   | F                             | 190           | C               | 88           | ISO 1924    |
| Optimum Activation Temp     | F                             | 244           | C               | 118          | ISO 1924    |

### Notes

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

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## ADHESIVE

A general purpose, acrylic permanent that displays excellent adhesion over a broad temperature range while providing aggressive performance. Perfect for wine labeling, as it can withstand ice bucket conditions.

| 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      | 15            | hours          | 15.0         | CPD-55      |
| Peel - 180 D SS 20 min         | lb/inch    | 3.3           | grams/25 mm    | 1473.3       | CPD-52      |
| Peel - 180 D HDPE 20 min       | lb/inch    | 1.8           | grams/25 mm    | 803.6        | CPD-52      |
| Peel - 180 D LDPE 20 min       | lb/inch    | 1.9           | grams/25 mm    | 848.3        | CPD-52      |
| Peel - 180 D Glass 20 min      | lb/inch    | 3.3           | grams/25 mm    | 1473.3       | CPD-52      |
| Peel - 180 D Corrugated 20 min | lb/inch    | 1.5           | grams/25 mm    | 669.7        | CPD-52      |
| Loop Tack Stain Steel          | oz/sq inch | 53            | kg/645 sq mm   | 1.5          | CPD-16      |
| Loop Tack HDPE                 | oz/sq inch | 43            | kg/645 sq mm   | 1.2          | CPD-16      |
| Loop Tack LDPE                 | oz/sq inch | 28            | kg/645 sq mm   | .8           | CPD-16      |
| Loop Tack Corrugated           | oz/sq inch | 15            | kg/645 sq mm   | .4           | 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<br>(3000 Sq Ft) | 41.0          | grams/sq meter  | 66.8         | TAPPI T410  |
| Caliper - Average | mil                           | 2.400         | um (micrometer) | 61.0         | TAPPI T411  |
| Opacity           | %                             | 60.0          | %               | 60.0         | TAPPI T425  |
| Tear-MD           | grams                         | 34.0          | mN              | 333.4        | TAPPI T414  |
| Tear-CD           | grams                         | 39.0          | mN              | 382.5        | TAPPI T414  |
| Tensile-MD        | lb/inch                       | 40.0          | kN/m            | 7.0          | TAPPI T494  |
| Tensile-CD        | lb/inch                       | 17.1          | kN/m            | 3.0          | TAPPI T494  |

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