



# PRODUCT INFORMATION

**025DT0075140SC**

**Item #: S8976560**

TC RESISTANT DT FSC/751 PERMANENT ADHESIVE/40 SC LINER

Approximate weight per MMSI: 226 lbs. Standard core size is 3 inches. Total caliper: 6.2 mils +/- 10%

## FACESTOCK

A 47# (70 g/m<sup>2</sup>) top coated direct thermal paper. Resistant to moisture, oil and heat. Also has plasticizer resistance at room temperature. Ideal for weigh scale labels, pharmacy, shipping and warehousing applications. FSC®-certified paper.

| Test Property               | Units                         | Typical Value | Metric Units    | Metric Value | Test Method |
|-----------------------------|-------------------------------|---------------|-----------------|--------------|-------------|
| Basis Weight                | lbs/25X38-500<br>(3300 Sq Ft) | 47.2          | grams/sq meter  | 69.9         | TAPPI T410  |
| Caliper - Average           | mil                           | 3.1           | um (micrometer) | 78.7         | TAPPI T411  |
| Smoothness (PPS) Print Side | um                            | 1.4           | um              | 1.4          | TAPPI T555  |
| Tear-MD                     | grams                         | 45            | mN              | 441.3        | TAPPI T414  |
| Tensile-CD                  | lb/inch                       | 17            | kN/m            | 3.0          | TAPPI T494  |
| Stiffness-MD                | Gurley (mg)                   | 90            | mN              | .9           | TAPPI T543  |
| Stiffness-CD                | Gurley (mg)                   | 35            | mN              | .3           | TAPPI T543  |
| Brightness                  | %                             | 84            | %               | 84.0         | TAPPI T452  |
| Initial Activation Temp     | F                             | 185           | C               | 85           | ISO 1924    |
| Effective Activation Temp   | F                             | 230           | C               | 110          | ISO 1924    |
| Optimum Activation Temp     | F                             | 300           | C               | 149          | ISO 1924    |

### Notes

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

## ADHESIVE

A paper and film compatible acrylic with good adhesion to many substrates. Excellent die-cutting and stripping. Exceptional mandrel hold.

| Test Property                  | Units      | Typical Value | Metric Units   | Metric Value | Test Method |
|--------------------------------|------------|---------------|----------------|--------------|-------------|
| Caliper - Calculated           | mils       | 0.7           | um(micrometer) | 18.7         |             |
| Shear (1 x 1/2 x 1 kg)         | hours      | 18.0          | hours          | 18.0         | CPD-55      |
| Peel - 180 D SS 20 min         | lb/inch    | 2.1           | grams/25 mm    | 937.5        | CPD-52      |
| Peel - 180 D HDPE 20 min       | lb/inch    | 1.7           | grams/25 mm    | 759.0        | CPD-52      |
| Peel - 180 D LDPE 20 min       | lb/inch    | 2.1           | grams/25 mm    | 937.5        | CPD-52      |
| Peel - 180 D Glass 20 min      | lb/inch    | 1.7           | grams/25 mm    | 759.0        | CPD-52      |
| Peel - 180 D Corrugated 20 min | lb/inch    | .5            | grams/25 mm    | 223.2        | CPD-52      |
| Loop Tack Stain Steel          | oz/sq inch | 52            | kg/645 sq mm   | 1.5          | CPD-16      |
| Loop Tack HDPE                 | oz/sq inch | 41            | kg/645 sq mm   | 1.1          | CPD-16      |
| Loop Tack LDPE                 | oz/sq inch | 25            | kg/645 sq mm   | .7           | CPD-16      |
| Loop Tack Corrugated           | oz/sq inch | 10.7          | kg/645 sq mm   | .3           | CPD-16      |
| Loop Tack Glass                | oz/sq inch | 60            | kg/645 sq mm   | 1.7          | CPD-16      |
| Min. App. Temp.                | F          | 45            | C              | 7            |             |
| Service Temp.                  | F          | -65 TO 200    | C              | -54 TO 93    |             |
| FDA Compliance                 | 21 CFR     | 175.105       |                |              |             |

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## PRODUCT INFORMATION

### 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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