



**024DT0072040SC**

**Item #: S8814460**

TC RESISTANT DIRECTHERM/720 ALL TEMP ADHESIVE/40 SC LINER  
Approximate weight per MMSI: 233 lbs. Standard core size is 3 inches. Total caliper: 6.2 mils +/- 10%

**FACESTOCK**

A 52# (78 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, and shipping and warehousing applications. New top coating extends print head life.

| Test Property               | Units         | Typical Value | Metric Units    | Metric Value | Test Method |
|-----------------------------|---------------|---------------|-----------------|--------------|-------------|
| Basis Weight                | lbs/25X38-500 | 53.4          | grams/sq meter  | 79.0         | TAPPI T410  |
| Caliper - Average           | mil           | 3.2           | um (micrometer) | 81.3         | TAPPI T411  |
| Smoothness (PPS) Print Side | um            | 1.0           | um              | 1.0          | 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)   | 45            | mN              | .4           | TAPPI T543  |
| Brightness                  | %             | 80            | %               | 80.0         | TAPPI T452  |
| Initial Activation Temp     | F             | 192           | C               | 89           | ISO 1924    |
| Effective Activation Temp   | F             | 244           | C               | 118          | ISO 1924    |
| Optimum Activation Temp     | F             | 300           | C               | 149          | ISO 1924    |

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

**ADHESIVE**

A non-tackified cold-temperature acrylic adhesive. Adheres to a wide variety of packaging materials. Can be used in a wide range of temperatures. Consider for general purpose labeling.

| Test Property                  | Units      | Typical Value | Metric Units   | Metric Value | Test Method |
|--------------------------------|------------|---------------|----------------|--------------|-------------|
| Caliper - Calculated           | mils       | 0.6           | um(micrometer) | 16.3         |             |
| Shear (1 x 1/2 x 1 kg)         | hours      | .2            | hours          | .2           | CPD-55      |
| Peel - 180 D SS 20 min         | lb/inch    | 1.5           | grams/25 mm    | 669.7        | CPD-52      |
| Peel - 180 D HDPE 20 min       | lb/inch    | 1.0           | grams/25 mm    | 446.5        | CPD-52      |
| Peel - 180 D LDPE 20 min       | lb/inch    | 1.1           | grams/25 mm    | 491.1        | 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    | .6            | grams/25 mm    | 267.9        | CPD-52      |
| Loop Tack Stain Steel          | oz/sq inch | 44            | kg/645 sq mm   | 1.2          | CPD-16      |
| Loop Tack HDPE                 | oz/sq inch | 35            | kg/645 sq mm   | 1.0          | CPD-16      |
| Loop Tack LDPE                 | oz/sq inch | 29            | kg/645 sq mm   | .8           | CPD-16      |
| Loop Tack Corrugated           | oz/sq inch | 14            | kg/645 sq mm   | .4           | CPD-16      |
| Min. App. Temp.                | F          | -20           | C              | -29          |             |
| Service Temp.                  | F          | -65 TO 180    | C              | -54 TO 82    |             |
| FDA Compliance                 | 21 CFR     | 175.105       |                |              |             |

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**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  |

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