



# PRODUCT INFORMATION

**24DTE0072040SC**

**Item #: S9250760**

TC RESISTANT DT FSC/720 ALL TEMP ADHESIVE/40 SC LINER

Approximate weight per MMSI: 217 lbs. Standard core size is 3 inches. Total caliper: 5.9 mils +/- 10%

## FACESTOCK

A 50# (74 g/m<sup>2</sup>), no phenols added, 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) | 50.0          | grams/sq meter  | 74.0         | TAPPI T410  |
| Caliper - Average           | mil                           | 2.9           | um (micrometer) | 73.7         | TAPPI T411  |
| Smoothness (PPS) Print Side | um                            | 1.2           | um              | 1.2          | TAPPI T555  |
| Tear-MD                     | grams                         | 40.0          | mN              | 392.3        | TAPPI T414  |
| Tensile-CD                  | lb/inch                       | 14.9          | kN/m            | 2.6          | TAPPI T494  |
| Stiffness-MD                | Gurley (mg)                   | 91.8          | mN              | .9           | TAPPI T543  |
| Stiffness-CD                | Gurley (mg)                   | 40.8          | mN              | .4           | TAPPI T543  |
| Brightness UV Excl          | %                             | 82            | %               |              | Tappi T571  |
| Initial Activation Temp     | F                             | 199           | C               | 93           | ISO 1924    |
| Effective Activation Temp   | F                             | 235           | C               | 113          | ISO 1924    |
| Optimum Activation Temp     | F                             | 241           | C               | 116          | ISO 1924    |

## ADHESIVE

A soft, general purpose, all-temperature acrylic adhesive for paper and film labels. Adheres to a variety of packages in a broad range of temperatures. Meets the TLMI Recycling Protocol TLMI-LRP-2 for paper recycling compatibility.

| 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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## 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            | grams/sq meter  | 66.8         | TAPPI T410  |
| Caliper - Average | mil                           | 2.400         | 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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