



**024DT0027840SC**

**Item #: S8855360**

TC RESISTANT DIRECTHERM/278 ULTRA REMOVABLE ADH/40 SC LINER

Approximate weight per MMSI: 224 lbs. Standard core size is 3 inches. Total caliper: 6 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**

Ultra-removable microsphere adhesive designed for paper facers. Adheres to, and removes cleanly from, a variety of substrates. Repositionable. Perfect for kids stickers, forms, and short-term labeling such as price marking, promotions, and logistics.

| Test Property          | Units      | Typical Value | Metric Units   | Metric Value | Test Method |
|------------------------|------------|---------------|----------------|--------------|-------------|
| Caliper - Calculated   | mils       | 0.4           | um(micrometer) | 10.8         |             |
| Peel - 180 D SS 20 min | lb/inch    | .50           | grams/25 mm    | 223.2        | CPD-52      |
| Loop Tack Stain Steel  | oz/sq inch | 12            | kg/645 sq mm   | .3           | CPD-16      |
| Min. App. Temp.        | F          | 20            | C              | -7           |             |
| Service Temp.          | F          | -10 TO 120    | C              | -23 TO 49    |             |
| FDA Compliance         | 21 CFR     | 175.105       |                |              |             |

**Notes**

This adhesive is not intended for layflat applications.

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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  |

Issued: 09/23/17

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