



**025DT0053140SC**

**Item #: S8975760**

TC RESISTANT DT/531 REMOVABLE ADHESIVE/40 SC LINER

Approximate weight per MMSI: 222 lbs. Standard core size is 3 inches. Total caliper: 6.1 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. New top coating increases image quality. Ideal for weigh scale labels, and shipping and warehousing applications.

| Test Property               | Units         | Typical Value | Metric Units    | Metric Value | Test Method |
|-----------------------------|---------------|---------------|-----------------|--------------|-------------|
| Basis Weight                | lbs/25X38-500 | 47.2          | grams/sq meter  | 69.9         | TAPPI T410  |
| Caliper - Average           | mil           | 3.1           | um (micrometer) | 78.7         | TAPPI T411  |
| Opacity                     | %             | 87            | %               | 87.0         | TAPPI T425  |
| Smoothness (PPS) Print Side | um            | 1.5           | um              | 1.5          | TAPPI T555  |
| Tear-MD                     | grams         | 50            | mN              | 490.3        | TAPPI T414  |
| Tensile-MD                  | lb/inch       | 29            | kN/m            | 5.1          | 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)   | 35            | mN              | .3           | TAPPI T543  |
| Brightness                  | %             | 82.0          | %               | 82.0         | TAPPI T452  |
| Initial Activation Temp     | F             | 199           | C               | 93           | ISO 1924    |
| Effective Activation Temp   | F             | 234           | C               | 112          | ISO 1924    |
| Optimum Activation Temp     | F             | 275           | C               | 135          | ISO 1924    |

**ADHESIVE**

An economical moderate removable acrylic adhesive with long-term stability. A versatile removable. Compatible with a wide variety of substrates.

| Test Property                  | Units      | Typical Value | Metric Units   | Metric Value | Test Method |
|--------------------------------|------------|---------------|----------------|--------------|-------------|
| Caliper - Calculated           | mils       | 0.6           | um(micrometer) | 15.6         |             |
| Shear (1 x 1/2 x 1 kg)         | hours      | 2.6           | hours          | 2.6          | CPD-55      |
| Peel - 180 D SS 20 min         | lb/inch    | 0.30          | grams/25 mm    | 133.9        | CPD-52      |
| Peel - 180 D HDPE 20 min       | lb/inch    | 0.35          | grams/25 mm    | 156.3        | CPD-52      |
| Peel - 180 D LDPE 20 min       | lb/inch    | 0.45          | grams/25 mm    | 200.9        | CPD-52      |
| Peel - 180 D Glass 20 min      | lb/inch    | 0.25          | grams/25 mm    | 111.6        | CPD-52      |
| Peel - 180 D Corrugated 20 min | lb/inch    | 0.90          | grams/25 mm    | 401.8        | CPD-52      |
| Loop Tack Stain Steel          | oz/sq inch | 24            | kg/645 sq mm   | .7           | CPD-16      |
| Loop Tack HDPE                 | oz/sq inch | 18            | kg/645 sq mm   | .5           | CPD-16      |
| Loop Tack LDPE                 | oz/sq inch | 13            | kg/645 sq mm   | .4           | CPD-16      |
| Loop Tack Corrugated           | oz/sq inch | 7             | kg/645 sq mm   | .2           | CPD-16      |
| Loop Tack Glass                | oz/sq inch | 13            | kg/645 sq mm   | .4           | CPD-16      |
| Min. App. Temp.                | F          | 40            | C              | 4            |             |
| Service Temp.                  | F          | 1 TO 140      | C              | -17 TO 60    |             |
| 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  |

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