



PRODUCT INFORMATION

025NT8036140SC

Item #: S8155760

NTC DIRECT THERMAL FSC/80361 REMOVABLE ADHESIVE/40 SC LINER

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

FACESTOCK

A 51# (75 g/m²) medium sensitivity non-top coated direct thermal paper designed for short duration labels or applications where the label is not exposed to solvents, water, oils, fats or other similar materials. FSC®-certified paper.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|-----------------------------|-------------------------------|---------------|-----------------|--------------|-------------|
| Basis Weight | lbs/25X38-500 (3300 Sq Ft) | 50.7 | grams/sq meter | 75.0 | TAPPI T410 |
| Caliper - Average | mil | 3.2 | um (micrometer) | 81.3 | TAPPI T411 |
| Smoothness (PPS) Print Side | um | 1.65 | um | 1.7 | TAPPI T555 |
| Tear-MD | grams | 48 | mN | 470.7 | TAPPI T414 |
| Tensile-CD | lb/inch | 14 | kN/m | 2.5 | TAPPI T494 |
| Stiffness-MD | Gurley (mg) | 100 | mN | 1.0 | TAPPI T543 |
| Brightness | % | 88 | % | 88.0 | TAPPI T452 |
| Initial Activation Temp | F | 185 | C | 85 | ISO 1924 |
| Effective Activation Temp | F | 280 | C | 138 | ISO 1924 |
| Optimum Activation Temp | F | 300 | C | 149 | ISO 1924 |

Notes

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

ADHESIVE

Acrylic adhesive designed for short-term removability. Consider for kiddie stickers.

| 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 | hours | 2.0 | CPD-55 |
| Peel - 180 D SS 20 min | lb/inch | 1.1 | grams/25 mm | 491.1 | CPD-52 |
| Peel - 180 D HDPE 20 min | lb/inch | .6 | grams/25 mm | 267.9 | CPD-52 |
| Peel - 180 D LDPE 20 min | lb/inch | .5 | grams/25 mm | 223.2 | CPD-52 |
| Peel - 180 D Glass 20 min | lb/inch | 1.1 | grams/25 mm | 491.1 | 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 | 32 | kg/645 sq mm | .9 | CPD-16 |
| Loop Tack HDPE | oz/sq inch | 25 | kg/645 sq mm | .7 | CPD-16 |
| Loop Tack LDPE | oz/sq inch | 18 | kg/645 sq mm | .5 | CPD-16 |
| Loop Tack Corrugated | oz/sq inch | 18 | kg/645 sq mm | .5 | CPD-16 |
| Service Temp. | F | -50 TO 125 | C | -46 TO 52 | |
| FDA Compliance | 21 CFR | 175.105 | | | |

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LINER

A white densified kraft sheet 41# (67 g/m²) with excellent point-to-point caliper control.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|-------------------|-------------------------------|---------------|-----------------|--------------|-------------|
| Basis Weight | lbs/24X36-500 (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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