



23VTB0085340SC

Item #: S8724860

3.2 MIL DIRECT THERMAL/853 ALL TEMP ADHESIVE/40 SC LINER

Approximate weight per MMSI: 236 lbs. Standard core size is 3 inches. Total caliper: 6.15 mils +/- 10%

FACESTOCK

A 51# (76 g/m²) top coated paper with a bright shade. Holds up well against moisture and oils. Good wet plasticizer resistance. Maintains image integrity when used for labels on meat packaged in packing plants.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|-----------------------------|---------------|---------------|-----------------|--------------|-------------|
| Basis Weight | lbs/25X38-500 | 51.4 | grams/sq meter | 76.1 | TAPPI T410 |
| Caliper - Average | mil | 3.15 | um (micrometer) | 80.0 | TAPPI T411 |
| Smoothness (PPS) Print Side | um | 1.4 | um | 1.4 | TAPPI T555 |
| Tear-MD | grams | 45 | mN | 441.3 | TAPPI T414 |
| Tear-CD | grams | 47 | mN | 460.9 | TAPPI T414 |
| Stiffness-MD | Gurley (mg) | 101 | mN | 1.0 | TAPPI T543 |
| Stiffness-CD | Gurley (mg) | 51 | mN | .5 | TAPPI T543 |
| Initial Activation Temp | F | 190 | C | 88 | ISO 1924 |
| Effective Activation Temp | F | 223 | C | 106 | ISO 1924 |
| Optimum Activation Temp | F | 248 | C | 120 | ISO 1924 |

Notes

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

ADHESIVE

A cold-temperature acrylic adhesive, with less ooze. Designed to dispense on some of the more challenging thermal labeling equipment.

| 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 |
| Min. App. Temp. | F | 0 | C | -18 | |
| 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 | 41 | grams/sq meter | 66.8 | TAPPI T410 |
| Caliper - Average | mil | 2.4 | um (micrometer) | 61.0 | TAPPI T411 |
| Gloss | % @ 75 degrees | 57 | % @ 75 degrees | 57.0 | TAPPI T480 |
| Opacity | % | 60 | % | 60.0 | TAPPI T425 |
| Tear-MD | grams | 35 | mN | 343.2 | 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 |
| Brightness | % | 76 | % | | TAPPI T452 |

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