



095RK0072040SC

Item #: S4101060

4.1 ML DIRECT THERM BOPP/720 ALL-TEMP ADHESIVE/40 SC LINER
Approximate weight per MMSI: 239 lbs. Standard core size is 3 inches. Total caliper: 7.1 mils +/- 10%

FACESTOCK

4.1 mil white BOPP film with direct thermal coating. Top coated for durability. Medium degree of sensitivity.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|---------------------------|---------------|---------------|-----------------|--------------|-------------|
| Basis Weight | lbs/25X38-500 | 55.5 | grams/sq meter | 82.1 | TAPPI T410 |
| Caliper - Average | mil | 4.1 | um (micrometer) | 104.1 | TAPPI T411 |
| Tear-MD | grams | 44 | mN | 431.5 | TAPPI T414 |
| Tear-CD | grams | 37 | mN | 362.8 | TAPPI T414 |
| Tensile-MD | lb/inch | 44 | kN/m | 7.7 | TAPPI T494 |
| Stiffness-MD | Gurley (mg) | 95 | mN | 9687.3 | TAPPI T543 |
| Stiffness-CD | Gurley (mg) | 128 | mN | 13052.4 | TAPPI T543 |
| Initial Activation Temp | F | 167 | C | 75 | ISO 1924 |
| Effective Activation Temp | F | 212 | C | 100 | ISO 1924 |
| Optimum Activation Temp | F | 300 | C | 149 | ISO 1924 |

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

ADHESIVE

A non-tackified cold-temperature acrylic adhesive. Adheres to a wide variety of packaging materials. Can be used in a wide range of temperatures. Consider for general purpose labeling.

| 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 |
| Min. App. Temp. | F | -20 | C | -29 | |
| Service Temp. | F | -65 TO 180 | C | -54 TO 82 | |
| FDA Compliance | 21 CFR | 175.105 | | | |

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 |
| 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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