



PRODUCT INFORMATION

025NT0075120PS0072040SC

Item #: S9108452

NTC DIRECT THERMAL FSC/751 PERMANENT ADHESIVE/2 ML CLEAR POLYSTYRENE/720 ALL TEMP ADHESIVE/40 SC LINER

Approximate weight per MMSI: 333 lbs. Standard core size is 3 inches. Total caliper: 8.9 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

A paper and film compatible acrylic with good adhesion to many substrates. Excellent die-cutting and stripping. Exceptional mandrel hold.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|--------------------------------|------------|---------------|----------------|--------------|-------------|
| Caliper - Calculated | mils | 0.7 | um(micrometer) | 17.7 | |
| Shear (1 x 1/2 x 1 kg) | hours | 18.0 | hours | 18.0 | CPD-55 |
| Peel - 180 D SS 20 min | lb/inch | 2.1 | grams/25 mm | 937.5 | CPD-52 |
| Peel - 180 D HDPE 20 min | lb/inch | 1.7 | grams/25 mm | 759.0 | CPD-52 |
| Peel - 180 D LDPE 20 min | lb/inch | 2.1 | grams/25 mm | 937.5 | CPD-52 |
| Peel - 180 D Glass 20 min | lb/inch | 1.7 | grams/25 mm | 759.0 | 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 | 52 | kg/645 sq mm | 1.5 | CPD-16 |
| Loop Tack HDPE | oz/sq inch | 41 | kg/645 sq mm | 1.1 | CPD-16 |
| Loop Tack LDPE | oz/sq inch | 25 | kg/645 sq mm | .7 | CPD-16 |
| Loop Tack Corrugated | oz/sq inch | 10.7 | kg/645 sq mm | .3 | CPD-16 |
| Loop Tack Glass | oz/sq inch | 60 | kg/645 sq mm | 1.7 | CPD-16 |
| Min. App. Temp. | F | 45 | C | 7 | |
| Service Temp. | F | -65 TO 200 | C | -54 TO 93 | |
| FDA Compliance | 21 CFR | 175.105 | | | |

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PRODUCT INFORMATION

LINER

Table with 6 columns: Test Property, Units, Typical Value, Metric Units, Metric Value, Test Method. Rows include Caliper Average, Gloss, Tensile Film, Elongation at Break, Haze, Area Yield, and Secant Modulus.

ADHESIVE

A soft, general purpose, all-temperature acrylic adhesive for paper and film labels. Adheres to a variety of packages in a broad range of temperatures. Meets the TLMI Recycling Protocol TLMI-LRP-2 for paper recycling compatibility.

Table with 6 columns: Test Property, Units, Typical Value, Metric Units, Metric Value, Test Method. Rows include Caliper - Calculated, Shear, Peel (180 D SS, HDPE, LDPE, Glass, Corrugated), Loop Tack (Stain Steel, HDPE, LDPE, Corrugated), Min. App. Temp., Service Temp., and FDA Compliance.

LINER

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

Table with 6 columns: Test Property, Units, Typical Value, Metric Units, Metric Value, Test Method. Rows include Basis Weight, Caliper - Average, Opacity, Tear-MD, Tear-CD, Tensile-MD, and Tensile-CD.

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