



PRODUCT INFORMATION

25NTE0075740SC

Item #: S9247560

NTC DIRECT THERMAL FSC/TACKIFIED PERM ADH/40 SC LINER

Approximate weight per MMSI: 226 lbs. Standard core size is 3 inches. Total caliper: 6.3 mils +/- 10%

FACESTOCK

A 49# (73 g/m²), no phenols added, 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) | 49.5 | grams/sq meter | 73.3 | TAPPI T410 |
| Caliper - Average | mil | 3.200 | um (micrometer) | 81.3 | TAPPI T411 |
| Smoothness (PPS) Print Side | um | 1.9 | um | 1.9 | TAPPI T555 |
| Tear-CD | grams | 50 | mN | 490.3 | TAPPI T414 |
| Tensile-MD | lb/inch | 35 | kN/m | 6.1 | TAPPI T494 |
| Stiffness-MD | Gurley (mg) | 90 | mN | .9 | TAPPI T543 |
| Stiffness-CD | Gurley (mg) | 40 | mN | .4 | TAPPI T543 |
| Brightness UV Excl | % | 80 | % | | Tappi T571 |
| Initial Activation Temp | F | 212 | C | 100 | ISO 1924 |
| Effective Activation Temp | F | 272 | C | 133 | ISO 1924 |
| Optimum Activation Temp | F | 300 | C | 149 | ISO 1924 |

ADHESIVE

A permanent acrylic adhesive with an aggressive bond to many surfaces, including low-energy plastics and corrugated. Harder adhesive for clean converting. Meets the TLMI Recycling Protocol TLMI-LRP-2 for paper recycling compatibility.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|---------------------------|------------|---------------|--------------|--------------|-------------|
| Shear (1 x 1/2 x 1 kg) | hours | 5.2 | hours | 5.2 | CPD-55 |
| Peel - 180 D SS 20 min | lb/inch | 2.32 | grams/25 mm | 1035.8 | CPD-52 |
| Peel - 180 D HDPE 20 min | lb/inch | 1.5 | grams/25 mm | 678.6 | CPD-52 |
| Peel - 180 D LDPE 20 min | lb/inch | 1.8 | grams/25 mm | 803.6 | CPD-52 |
| Peel - 180 D Glass 20 min | lb/inch | 2.2 | grams/25 mm | 991.1 | CPD-52 |
| Loop Tack Stain Steel | oz/sq inch | 43 | kg/645 sq mm | 1.2 | CPD-16 |
| Loop Tack HDPE | oz/sq inch | 41.0 | kg/645 sq mm | 1.1 | CPD-16 |
| Loop Tack LDPE | oz/sq inch | 44 | kg/645 sq mm | 1.2 | CPD-16 |
| Loop Tack Corrugated | oz/sq inch | 15.2 | kg/645 sq mm | .4 | CPD-16 |
| Loop Tack Glass | oz/sq inch | 33.0 | kg/645 sq mm | .9 | CPD-16 |
| Min. App. Temp. | F | 32 | C | 0 | |
| Service Temp. | F | -58 TO 199 | C | -50 TO 93 | |

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PRODUCT INFORMATION

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 | grams/sq meter | 66.8 | TAPPI T410 |
| Caliper - Average | mil | 2.400 | 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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