



025NT0758M40SC

Item #: S8155352

3.2 MIL NTC DIRECT THERM/758M PERMANENT ADHESIVE/40 SC LINER

Approximate weight per MMSI: 230 lbs. Standard core size is 3 inches. Total caliper: 6.3 mils +/- 10%

FACESTOCK

A 46# (70 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.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|-----------------------------|---------------|---------------|-----------------|--------------|-------------|
| Basis Weight | lbs/25X38-500 | 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 |
| Tear-CD | grams | 53 | mN | 519.8 | TAPPI T414 |
| 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 tackified acrylic general purpose permanent with great die-cutting and stripping properties, even on wide web applications. Excellent adhesion to many substrates, especially corrugated.

| 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 | 1.3 | hours | 1.3 | CPD-55 |
| Peel - 180 D SS 20 min | lb/inch | 1.582 | grams/25 mm | 706.3 | CPD-52 |
| Peel - 180 D HDPE 20 min | lb/inch | 1.4 | grams/25 mm | 625.0 | CPD-52 |
| Peel - 180 D LDPE 20 min | lb/inch | 1.318 | grams/25 mm | 588.4 | CPD-52 |
| Peel - 180 D Glass 20 min | lb/inch | 1.676 | grams/25 mm | 748.3 | CPD-52 |
| Peel - 180 D Corrugated 20 min | lb/inch | .83 | grams/25 mm | 370.6 | CPD-52 |
| Loop Tack Stain Steel | oz/sq inch | 38 | kg/645 sq mm | 1.1 | CPD-16 |
| Loop Tack HDPE | oz/sq inch | 23 | kg/645 sq mm | .6 | CPD-16 |
| Loop Tack LDPE | oz/sq inch | 20 | kg/645 sq mm | .6 | CPD-16 |
| Loop Tack Corrugated | oz/sq inch | 14 | kg/645 sq mm | .4 | CPD-16 |
| Loop Tack Glass | oz/sq inch | 35 | kg/645 sq mm | 1.0 | CPD-16 |
| Min. App. Temp. | F | 35 | C | 2 | |
| Service Temp. | F | -65 TO 200 | C | -54 TO 93 | |
| 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 |
| 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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