



PRODUCT INFORMATION

025DT0075140SC

Item #: S8976560

TC RESISTANT DT FSC/751 PERMANENT ADHESIVE/40 SC LINER

Approximate weight per MMSI: 223 lbs. Standard core size is 3 inches. Total caliper: 6.2 mils +/- 10%

FACESTOCK

A 47# (70 g/m²) top coated direct thermal paper. Resistant to moisture, oil and heat. Also has plasticizer resistance at room temperature. Ideal for weigh scale labels, pharmacy, shipping and warehousing applications. FSC®-certified paper.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|-----------------------------|-------------------------------|---------------|-----------------|--------------|-------------|
| Basis Weight | lbs/25X38-500 (3300 Sq Ft) | 47.2 | grams/sq meter | 69.9 | TAPPI T410 |
| Caliper - Average | mil | 3.1 | um (micrometer) | 78.7 | TAPPI T411 |
| Smoothness (PPS) Print Side | um | 1.4 | um | 1.4 | TAPPI T555 |
| Tear-MD | grams | 45 | mN | 441.3 | TAPPI T414 |
| Tensile-CD | lb/inch | 17 | kN/m | 3.0 | TAPPI T494 |
| Stiffness-MD | Gurley (mg) | 90 | mN | .9 | TAPPI T543 |
| Stiffness-CD | Gurley (mg) | 35 | mN | .3 | TAPPI T543 |
| Brightness | % | 84 | % | 84.0 | TAPPI T452 |
| Initial Activation Temp | F | 185 | C | 85 | ISO 1924 |
| Effective Activation Temp | F | 230 | C | 110 | 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 |
|--------------------------------|------------|---------------|--------------|--------------|-------------|
| 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

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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