



0TTFP0010212NB

Item #: S8166560

SELECT THERMAL TRANSFER/102 PERMANENT ADHESIVE/1.2 MIL PET NO BACK COAT
Approximate weight per MMSI: 179 lbs. Standard core size is 3 inches. Total caliper: 4.65 mils +/- 10%

FACESTOCK

A 44# (65 g/m²) multi-purpose thermal transfer sheet. Premium coating for enhanced flexo graphics.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|-----------------------|-----------------|---------------|-----------------|--------------|-------------|
| Basis Weight | lbs/25X38-500 | 44 | grams/sq meter | 65.1 | TAPPI T410 |
| Caliper - Average | mil | 2.85 | um (micrometer) | 72.4 | TAPPI T411 |
| Moisture | % | 4.8 | % | | TAPPI T412 |
| Opacity | % | 87 | % | 87.0 | TAPPI T425 |
| Smoothness Print Side | Sheffield Units | 25.00 | Sheffield Units | 25.0 | TAPPI T538 |
| Tear-MD | grams | 42 | mN | 411.9 | TAPPI T414 |
| Tear-CD | grams | 42 | mN | 411.9 | TAPPI T414 |
| Tensile-MD | lb/inch | 26 | kN/m | 4.6 | TAPPI T494 |
| Tensile-CD | lb/inch | 17 | kN/m | 3.0 | TAPPI T494 |
| Brightness | % | 86.5 | % | 86.5 | TAPPI T452 |

ADHESIVE

A clear, water-resistant acrylic emulsion film adhesive, with high peel and tack, which adheres to a wide variety of surfaces, is blush resistant, and offers good wet-out.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|------------------------|------------|---------------|----------------|--------------|-------------|
| Caliper - Calculated | mils | 0.6 | um(micrometer) | 16.4 | |
| Shear (1 x 1/2 x 1 kg) | hours | 5.9 | hours | 5.9 | CPD-55 |
| Peel - 180 D SS 20 min | lb/inch | 1.8 | grams/25 mm | 803.6 | CPD-52 |
| Loop Tack Stain Steel | oz/sq inch | 38 | kg/645 sq mm | 1.1 | CPD-16 |
| Min. App. Temp. | F | 40 | C | 4 | |
| Service Temp. | F | -40 TO 160 | C | -40 TO 71 | |
| FDA Compliance | 21 CFR | 175.105 | | | |

LINER

Clear polyester with an excellent surface for die-cutting. Great strength for high speed converting and application.

| Test Property | Units | Typical Value | Metric Units | Metric Value | Test Method |
|--------------------------|------------------|---------------|------------------|--------------|-------------|
| Caliper Average (Films) | mils | 1.2 | um (micrometers) | 30.5 | ASTM D374 |
| Tensile Film - MD | lb/sq inch | 32,000 | kg/sq cm | 2249.6 | ASTM D882 |
| Tensile Film - TD | lb/sq inch | 32,000 | kg/sq cm | 2249.6 | ASTM D882 |
| Elongation at Break - MD | % | 130 | % | 130.0 | ASTM D882 |
| Elongation at Break - TD | % | 100 | % | 100.0 | ASTM D882 |
| Shrinkage-MD | % 30 min @ 302 F | 1.5 | % 30 min @ 150 C | 1.5 | ISO 2469 |
| Shrinkage-TD | % 30 min @ 302 F | .4 | % 30 min @ 150 C | .4 | ISO 2469 |
| Elastic Modulus - MD | lb/sq inch | 550,000 | kg/sq cm | 38665.0 | ASTM D882 |
| Elastic Modulus - TD | lb/sq inch | 550,000 | kg/sq cm | 38665.0 | ASTM D882 |
| Area Yield | sq in/lb | 16,805 | sq m/kg | 24.0 | ASTM E252 |

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