



**54SG0051520PS0051550SC**

**Item #: S8205660**

54# C1S SEMI GLOSS/515 PERMANENT ADHESIVE/2 ML CLEAR POLYSTYRENE/515 PERMANENT ADHESIVE/3.2 ML WHITE KRAFT LINER

Approximate weight per MMSI: 370 lbs. Standard core size is 3 inches. Total caliper: 9.2 mils +/- 10%

**FACESTOCK**

54# (80 g/m<sup>2</sup>) C1S bright blue-white semi-gloss. High strength property makes it ideal for wide web high-speed stripping and die-cutting. Smooth surface provides excellent printing with flexo, UV letterpress, laser, and offset methods.

| Test Property               | Units         | Typical Value | Metric Units    | Metric Value | Test Method |
|-----------------------------|---------------|---------------|-----------------|--------------|-------------|
| Basis Weight                | lbs/25X38-500 | 53.0          | grams/sq meter  | 78.4         | TAPPI T410  |
| Caliper - Average           | mil           | 2.6           | um (micrometer) | 66.0         | TAPPI T411  |
| Gloss                       | %             | 72.0          | %               | 72.0         | TAPPI T480  |
| Opacity                     | %             | 87            | %               | 87.0         | TAPPI T425  |
| Smoothness (PPS) Print Side | um            | .8            | um              | .8           | TAPPI T555  |
| Tear-MD                     | grams         | 40            | mN              | 392.3        | TAPPI T414  |
| Tear-CD                     | grams         | 48            | mN              | 470.7        | TAPPI T414  |
| Tensile-MD                  | lb/inch       | 30            | kN/m            | 5.3          | TAPPI T494  |
| Tensile-CD                  | lb/inch       | 15            | kN/m            | 2.6          | TAPPI T494  |
| Brightness                  | %             | 89            | %               | 89.0         | TAPPI T452  |

**ADHESIVE**

A permanent, non-tackified, acrylic emulsion adhesive that has good water whitening resistance and adheres well to low surface energy plastics. Good combination of quick tack and high shear makes it ideal for mailing tabs.

| Test Property                  | Units      | Typical Value | Metric Units   | Metric Value | Test Method |
|--------------------------------|------------|---------------|----------------|--------------|-------------|
| Caliper - Calculated           | mils       | 0.7           | um(micrometer) | 16.6         |             |
| Shear (1 x 1/2 x 1 kg)         | hours      | 13.8          | hours          | 13.8         | CPD-55      |
| Peel - 180 D SS 20 min         | lb/inch    | 1.1           | grams/25 mm    | 491.1        | CPD-52      |
| Peel - 180 D HDPE 20 min       | lb/inch    | 0.6           | grams/25 mm    | 267.9        | CPD-52      |
| Peel - 180 D LDPE 20 min       | lb/inch    | 0.5           | grams/25 mm    | 223.2        | CPD-52      |
| Peel - 180 D Glass 20 min      | lb/inch    | 1.5           | grams/25 mm    | 669.7        | CPD-52      |
| Peel - 180 D Corrugated 20 min | lb/inch    | 1.0           | grams/25 mm    | 446.5        | CPD-52      |
| Loop Tack Stain Steel          | oz/sq inch | 33            | kg/645 sq mm   | .9           | CPD-16      |
| Loop Tack HDPE                 | oz/sq inch | 18            | kg/645 sq mm   | .5           | CPD-16      |
| Loop Tack LDPE                 | oz/sq inch | 13            | kg/645 sq mm   | .4           | CPD-16      |
| Loop Tack Corrugated           | oz/sq inch | 9             | kg/645 sq mm   | .3           | CPD-16      |
| Loop Tack Glass                | oz/sq inch | 38            | kg/645 sq mm   | 1.1          | CPD-16      |
| Min. App. Temp.                | F          | 40            | C              | 4            |             |
| Service Temp.                  | F          | -40 TO 250    | C              | -40 TO 121   |             |
| FDA Compliance                 | 21 CFR     | 175.105       |                |              |             |

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**LINER**

Clear polystyrene for middle liner in piggyback structures.

| Test Property            | Units          | Typical Value | Metric Units     | Metric Value | Test Method |
|--------------------------|----------------|---------------|------------------|--------------|-------------|
| Caliper Average (Films)  | mils           | 2.0           | um (micrometers) | 50.8         | ASTM D374   |
| Gloss - Films            | % @ 45 degress | 165           | % @ 45 degrees   | 165.0        | ASTM D2457  |
| Tensile Film - MD        | lb/sq inch     | 10500         | kg/sq cm         | 738.2        | ASTM D882   |
| Tensile Film - TD        | lb/sq inch     | 10500         | kg/sq cm         | 738.2        | ASTM D882   |
| Elongation at Break - MD | %              | 45            | %                | 45.0         | ASTM D882   |
| Elongation at Break - TD | %              | 35            | %                | 35.0         | ASTM D882   |
| Haze                     | %              | .7            | %                | .7           | ASTM D1003  |
| Area Yield               | sq in/lb       | 13185         | sq m/kg          | 18.9         | ASTM E252   |
| 1% Secant Modulus - MD   | lb/sq inch     | 412500        |                  |              | ASTM D882   |
| 1% Secant Modulus - CD   | lb/sq inch     | 400000        |                  |              | ASTM D882   |

**ADHESIVE**

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| Test Property                  | Units      | Typical Value | Metric Units   | Metric Value | Test Method |
|--------------------------------|------------|---------------|----------------|--------------|-------------|
| Caliper - Calculated           | mils       | 0.7           | um(micrometer) | 16.6         |             |
| Shear (1 x 1/2 x 1 kg)         | hours      | 13.8          | hours          | 13.8         | CPD-55      |
| Peel - 180 D SS 20 min         | lb/inch    | 1.1           | grams/25 mm    | 491.1        | CPD-52      |
| Peel - 180 D HDPE 20 min       | lb/inch    | 0.6           | grams/25 mm    | 267.9        | CPD-52      |
| Peel - 180 D LDPE 20 min       | lb/inch    | 0.5           | grams/25 mm    | 223.2        | CPD-52      |
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| Peel - 180 D Corrugated 20 min | lb/inch    | 1.0           | grams/25 mm    | 446.5        | CPD-52      |
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| Loop Tack HDPE                 | oz/sq inch | 18            | kg/645 sq mm   | .5           | CPD-16      |
| Loop Tack LDPE                 | oz/sq inch | 13            | kg/645 sq mm   | .4           | CPD-16      |
| Loop Tack Corrugated           | oz/sq inch | 9             | kg/645 sq mm   | .3           | CPD-16      |
| Loop Tack Glass                | oz/sq inch | 38            | kg/645 sq mm   | 1.1          | CPD-16      |
| Min. App. Temp.                | F          | 40            | C              | 4            |             |
| Service Temp.                  | F          | -40 TO 250    | C              | -40 TO 121   |             |
| FDA Compliance                 | 21 CFR     | 175.105       |                |              |             |

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**LINER**

A white densified kraft sheet 53# (86 g/m<sup>2</sup>) with excellent point-to-point caliper control.

| Test Property     | Units         | Typical Value | Metric Units    | Metric Value | Test Method |
|-------------------|---------------|---------------|-----------------|--------------|-------------|
| Basis Weight      | lbs/24X36-500 | 54.5          | grams/sq meter  | 88.8         | TAPPI T410  |
| Caliper - Average | mil           | 3.2           | um (micrometer) | 81.3         | TAPPI T411  |
| Opacity           | %             | 72            | %               | 72.0         | TAPPI T425  |
| Tear-MD           | grams         | 42            | mN              | 411.9        | TAPPI T414  |
| Tear-CD           | grams         | 44            | mN              | 431.5        | TAPPI T414  |
| Tensile-MD        | lb/inch       | 49            | kN/m            | 8.6          | TAPPI T494  |
| Tensile-CD        | lb/inch       | 22            | kN/m            | 3.9          | TAPPI T494  |

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