

## DURABLE PORTFOLIO

## Product Data Sheet

**Fasson® 2 Mil White Polyester  
TC/S8015/50#SCK**

**Spec#: 76656**

| Facestock                                                                                                                                                                          |                        | Facestock physical properties |        |     |              |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------|--------|-----|--------------|--------|
| 2 Mil White Polyester TC is a homogeneously pigmented white facestock featuring excellent tear strength, heat resistance, dimensional stability, opacity, and chemical resistance. |                        | Imperial Value                | Units  |     | Metric Value | Units  |
|                                                                                                                                                                                    | Caliper:<br>ASTM D1000 | 0.0020                        | inches |     | 50.80        | micron |
|                                                                                                                                                                                    | Tensile:<br>ASTM D882  | MD                            | 21,300 | PSI | 1,497        | kg/cm2 |
|                                                                                                                                                                                    |                        | CD                            | 28,400 | PSI | 1,997        | kg/cm2 |

| Adhesive                                                                                                                                                                                                                                                                                          |                                   | Adhesive physical properties |        |   |              |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------|--------|---|--------------|---------|
| S8015 adhesive is a high strength clear adhesive featuring high initial tack, adhesion and shear. Offers strong permanent bonding to a wide variety of substrates including high surface energy (HSE), low surface energy (LSE) and powder coat substrates. Excellent chemical and UV resistance. |                                   | Imperial Value               | Units  |   | Metric Value | Units   |
|                                                                                                                                                                                                                                                                                                   | Type:                             | Solvent Acrylic              |        |   |              |         |
|                                                                                                                                                                                                                                                                                                   | Caliper:<br>ASTM D1000            | 0.0010                       | inches |   | 25.40        | micron  |
|                                                                                                                                                                                                                                                                                                   | Standard Coat Wt:                 |                              |        |   | 32           | g/sq m  |
|                                                                                                                                                                                                                                                                                                   | Minimum Appl Temp:                | 45                           | F      |   | 7            | C       |
|                                                                                                                                                                                                                                                                                                   | Service Temp<br>Range:            | Min                          | -30    | F | -34          | C       |
|                                                                                                                                                                                                                                                                                                   |                                   | Max                          | 300    | F | 149          | C       |
|                                                                                                                                                                                                                                                                                                   | Loop Tack Stainless Steel: PSTC11 | 96.0                         | oz/in  |   | 105.6        | N/100mm |

| Liner                                                                                                                                                        |                                                  | Liner physical properties |         |         |              |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------|---------|---------|--------------|---------|
| 50#SCK is a bleached, super-calendered paper stock with very good diecutting and matrix stripping properties. Suitable for back-printing with standard inks. |                                                  | Imperial Value            | Units   |         | Metric Value | Units   |
|                                                                                                                                                              | Caliper:<br>ASTM D1000                           | 0.0032                    | inches  |         | 81.2800      | microns |
|                                                                                                                                                              | Basis Wt: TAPPI T410<br>* (24" x 36" 500 sheets) | 53.9                      | lb/ream |         | 86.2         | g/sq m  |
|                                                                                                                                                              | Tensile:<br>ASTM D882                            | MD                        | 48.0    | lb/inch | 211.2        | N/25 mm |
|                                                                                                                                                              |                                                  | CD                        | 26.0    | lb/inch | 114.4        | N/25 mm |
|                                                                                                                                                              | Tear:<br>TAPPI T414                              | MD                        | 1.8     | ounces  | 51.1         | grams   |
|                                                                                                                                                              |                                                  | CD                        | 2.0     | ounces  | 56.8         | grams   |

| Liner Release:                            |                | Total Construction Caliper |  |
|-------------------------------------------|----------------|----------------------------|--|
| TMLI 90° removal of Liner from Facestock. |                | (approximate):             |  |
| Rate of Removal                           | Grams/2" Width |                            |  |
| 400 inches/min.                           | 60             | 0.0060 inches              |  |

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### Features and Benefits

- Opaque white facestock with very good hiding power and physical strength
- Glossy clear top coat that accepts most flexographic, letterpress, and rotary screen inks
- Excellent thermal transfer printability with most wax/resin and resin ribbons
- Topcoat and adhesive have excellent chemical resistance

### Applications and Uses

This product is suitable for wide variety of durable labeling applications such as:

- Product identification labels
- Barcodes and rating plates
- Work in progress labels (WIP)
- Property identification and asset tags
- Durable goods labeling
- Automotive exterior or underhood labels. Meets GM6121M Type A & B; Daimler Chrysler MS-CG121 Type A, B, & D; Ford WSS-M99P34 Types A, A2, A3, & A4
- UL Rating plates. This product is UL and UL-c recognized for indoor and outdoor use (see appendix). For specific information, see UL file # MH17205 for conditions of recognitions

### Printing and Converting

The topcoat is designed for printing by flexography with most solvent and some water based inks. Specially formulated inks are normally not needed, however, testing is recommend prior to final ink selection. Suitable for thermal transfer printing applications with select ribbons and printer models. This product can be diecut and stripped at high speeds on standard web-fed presses. Sample labels in a variety of shapes have been successfully dispensed and applied with standard labeling systems.

### RoHS/Regulation 2002/95/EU

The substances listed in article 4 lid 1 of 2002/95/EU (RoHS) are not intentionally used in this product. The concentration limits of these substances will not exceed the set maximum concentration limits as provided in the proposed amendment for 2002/95/EU.

### Shelf Life

Unless specified otherwise in this document, one year when stored at 72°F at 50% RH

### Note:

The technical data presented is from tests we believe to be reliable but should be considered representative or typical only and should not be used for specifications purposes. This product should be tested thoroughly under end-use conditions to ensure it meets the requirements of the specific application.

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## Product Data Sheet

## Appendix

## Performance Data:

The following technical data should be considered representative or typical only and should not be used for specification purposes.

|                    | Initial<br>(15 minute dwell) |         | 72 Hours at Room<br>Temperature |         | 72 Hours at 120°F |         | 96 Hours at 150°F<br>(65°C) &<br>80% Relative<br>Humidity |         |
|--------------------|------------------------------|---------|---------------------------------|---------|-------------------|---------|-----------------------------------------------------------|---------|
| Surface            | oz/in                        | N/100mm | oz/in                           | N/100mm | oz/in             | N/100mm | oz/in                                                     | N/100mm |
| 1. Stainless Steel | 82.1                         | 90.3    | 73.7                            | 81.1    | 77.4              | 85.1    | 83.7                                                      | 92.1    |
| 2. Aluminum        | 83.7                         | 92.1    | 54.8                            | 60.3    | 60.5              | 66.6    | 81.1                                                      | 89.2    |
| 3. Polypropylene   | 52.2                         | 57.4    | 23.9                            | 26.3    | 65.4              | 71.9    | 59.2                                                      | 65.1    |
| 4. HDPE            | 43.2                         | 47.5    | 40.4                            | 44.4    | 41.7              | 45.9    | 46.4                                                      | 51      |
| 5. LDPE            | 42.1                         | 46.3    | 74.5                            | 82      | 21.4              | 23.5    | 2.2                                                       | 2.4     |
| 6. ABS Plastic     | 73                           | 80.3    | 82.4                            | 90.6    | 78.5              | 86.4    | 23.2                                                      | 25.5    |

## Environmental Performance: Chemical Resistance test results

The performance results are based on 4 hour immersions at room temperature unless otherwise noted (gasoline is 1 hour). Samples were applied to stainless steel panels and conditioned for 24 hours before immersion and evaluated immediately upon removal. Adhesion measured at 180° peel.

|                       | Adhesion to Stainless Steel |         | Visual     | Edge           |
|-----------------------|-----------------------------|---------|------------|----------------|
| Chemical              | oz/in                       | N/100mm | Appearance | Penetration mm |
| 1. 70% IPA            | 73.4                        | 80.7    | No Change  | 0              |
| 2. Tide® Detergent    | 58.5                        | 64.4    | No Change  | 0              |
| 3. Engine Oil (10W30) | 62.5                        | 68.8    | No Change  | 0              |
| 4. Water              | 66.7                        | 73.4    | No Change  | 0              |
| 5. Ammonia - pH 11    | 27.3                        | 30      | No Change  | 0              |
| 6. 409® Cleaner       | 28.9                        | 31.8    | No Change  | 0              |
| 7. Toluene            | 17.8                        | 19.6    | No Change  | 8.9            |
| 8. Brake Fluid        | 68.3                        | 75.1    | No Change  | 0              |
| 9. Reference Fuel C   | 35.2                        | 38.7    | No Change  | 6.4            |
| 10. Kerosene K1       | 46.2                        | 50.8    | No Change  | 3.3            |

|             |      |      |           |     |
|-------------|------|------|-----------|-----|
| 11. Heptane | 12.9 | 14.2 | No Change | 3.6 |
|-------------|------|------|-----------|-----|

### Compliance Recognition: UL, C-U



Underwriters Laboratories, Inc.

| Substrates                   | Minimum Temperature |     | Maximum Temperature |     | (I=Indoor Only<br>I/O=Indoor &<br>Outdoor) |
|------------------------------|---------------------|-----|---------------------|-----|--------------------------------------------|
|                              | °F                  | °C  | °F                  | °C  |                                            |
| 1. Stainless Steel           | -40                 | -40 | 302                 | 150 | I/O                                        |
| 2. Galvanized Steel          | -40                 | -40 | 302                 | 150 | I/O                                        |
| 3. Polyurethane Powder Paint | -40                 | -40 | 302                 | 150 | I/O                                        |
| 4. Epoxy Paint               | -40                 | -40 | 302                 | 150 | I/O                                        |
| 5. Porcelain                 | -40                 | -40 | 302                 | 150 | I/O                                        |
| 6. Alkyd Enamel              | -40                 | -40 | 302                 | 150 | I/O                                        |
| 7. Aluminum                  | -9                  | -23 | 302                 | 150 | I/O                                        |
| 8. Unsat Thermoset Polyester | -9                  | -23 | 302                 | 150 | I/O                                        |
| 9. Epoxy PCP*                | -40                 | -40 | 302                 | 150 | I/O                                        |
| 10. Polyester Powder Paint   | -9                  | -23 | 302                 | 150 | I/O                                        |
| 11. Polyester Paint          | -40                 | -40 | 302                 | 150 | I/O                                        |
| 12. Acrylic Powder Paint     | -9                  | -23 | 302                 | 150 | I/O                                        |
| 13. Acrylic Paint            | -40                 | -40 | 212                 | 100 | I/O                                        |
| 14. Phenolic                 | -9                  | -23 | 212                 | 100 | I/O                                        |
| 15. Polycarbonate            | -40                 | -40 | 176                 | 80  | I/O                                        |
| 16. Nylon                    | -40                 | -40 | 176                 | 80  | I/O                                        |
| 17. Polyphenylene Oxide      | -9                  | -23 | 140                 | 60  | I/O                                        |
| 18. ABS Plastic              | -9                  | -23 | 104                 | 40  | I/O                                        |
| 19. Polystyrene              |                     |     | 104                 | 40  | I                                          |
| 20. Polypropylene            |                     |     | 104                 | 40  | I                                          |
| 21. Polyethylene             |                     |     |                     |     |                                            |
| 22. and others               |                     |     |                     |     |                                            |
| 23. *PCP=Powder Coat         |                     |     |                     |     |                                            |

|       |  |  |  |  |  |
|-------|--|--|--|--|--|
| Paint |  |  |  |  |  |
|-------|--|--|--|--|--|

**Recognized Ribbons:** Armor "AXR8", Armor "AXR600", Astro Med Inc "R-5", Astro Med "RF", Astro Med "RY", Coding Prds "5940", Dai Nippon "R-300", Dai Nippon "R-510", Iimac "SP-410", Iimac "SP-330", Iimac "Primemark", Intermec "TMX 1500", Intermec "TMX 3200", ITW "R-91", ITW "B324", Japan Pulp & Paper "Resin 1", Japan Pulp & Paper "Sigma P", Kurz "K300", Kurz "K500", Kurz "K501", Mid City Columbia "CGL-80HE", Mid City Columbia "MCC-23HE", NCR "Promark 3", NCR "Perma Max", NCR "K3", Ricoh "B110C", Ricoh "B110CX", Ricoh "B110CR", Ricoh "120EC", Sato Corp. "Premier 1", Sony "TR4070", Sony "TR4075", Sony "TR5070", Sony "TR6070", Sony "TR6075", Sony "Signature Series Resin", Union Chemicar "US300", Zebra "5095", Zebra "5100", Zebra "5175", Zebra "5463", Zebra "5555", Zebra "Z-4100", and others.



**Tested by Underwriters Laboratories, Inc.**  
to meet the requirements of the Canadian Standards Association for  
labeling materials

| Substrates              | Minimum Temperature |     | Maximum Temperature |     | (I=Indoor Only<br>I/O=Indoor &<br>Outdoor) |
|-------------------------|---------------------|-----|---------------------|-----|--------------------------------------------|
|                         | °F                  | °C  | °F                  | °C  |                                            |
| 1. Metals               | -40                 | -40 | 302                 | 150 | I/O                                        |
| 2. Electrostatic Paints | -40                 | -40 | 302                 | 150 | I/O                                        |
| 3. Plastics Group I     | -40                 | -40 | 212                 | 100 | I/O                                        |
| 4. Plastics Group II    | -40                 | -40 | 176                 | 80  | I/O                                        |
| 5. Plastics Group III   | -40                 | -40 | 176                 | 80  | I/O                                        |
| 6. Plastics Group IV    | -40                 | -40 | 176                 | 80  | I/O                                        |
| 7. Plastics Group V     | -40                 | -40 | 176                 | 80  | I/O                                        |
| 8. Plastics Group VI    | -40                 | -40 | 176                 | 80  | I/O                                        |
| 9. Plastics Group VII   | -40                 | -40 | 176                 | 80  | I/O                                        |
| 10. Plastics Group VIII | -40                 | -40 | 176                 | 80  | I/O                                        |

**Recognized Ribbons:** Armor "AXR7+", Armor "AXR8", Armor "AXR600", Astro Med "RY", Dai Nippon "R-300", Dai Nippon "R-510", Japan Pulp & Paper "Resin 1", Kurz "K500", Mid City Columbia "CGL-80HE", Mid City Columbia "MCC-23HE", NCR "Promark 3", Ricoh "B110C", Ricoh "B110CR", Sato Corp. "Premier 1", Sony "TR4070", Sony "TR5070", Sony "TR6070", Sony "TR6075", Sony "Signature Series Resin", Union Chemicar "US300", Zebra "5100", and others.

409® is a registered trademark of the Clorox Company  
Tide® is a registered trademark of the Procter & Gamble Company

The information on compliance conditions, substrates, and printing products contained in the tables above represent a summary of recognized or acceptable conditions and printing products. Other conditions, substrates, and printing products may be recognized with this material. Please consult the specific compliance organization

records or specific files for a complete listing.

## Warranty

All sales and contracts for sale are expressly conditioned on the buyer's assent to Avery Dennison's terms and conditions found on its website at [www.na.fasson.com](http://www.na.fasson.com). Avery Dennison hereby objects to any term, different from or additional to Avery Dennison's terms, contained in any buyer communication in any form, unless agreed to in a writing signed by an officer of Avery Dennison.

|                                                                                                                                                           |                                                                                                               |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <a href="http://label.averydennison.com">label.averydennison.com</a><br> | <b>Label and Packaging Materials-North America</b><br>8080 Norton Parkway<br>Mentor, OH 44060<br>800-944-8511 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|