

## DURABLE PORTFOLIO

## Product Data Sheet

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

**Spec#: 76656**

<b>Facestock</b>		<b>Facestock physical properties</b>					
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	
	<b>Caliper:</b> ASTM D1000	0.0020	inches		50.80	micron	
	<b>Tensile:</b> ASTM D882	<b>MD</b>	21,300	PSI		1,497	kg/cm2
		<b>CD</b>	28,400	PSI		1,997	kg/cm2

<b>Adhesive</b>		<b>Adhesive physical properties</b>					
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	
	<b>Type:</b>	Solvent Acrylic					
	<b>Caliper:</b> ASTM D1000	0.0010	inches		25.40	micron	
	<b>Standard Coat Wt:</b>				32	g/sq m	
	<b>Minimum Appl Temp:</b>	45	F		7	C	
	<b>Service Temp Range:</b>	<b>Min</b>	-30	F		-34	C
		<b>Max</b>	300	F		149	C
	<b>Loop Tack Stainless Steel: PSTC11</b>	96.0	oz/in		105.6	N/100mm	

<b>Liner</b>		<b>Liner physical properties</b>					
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	
	<b>Caliper:</b> ASTM D1000	0.0032	inches		81.2800	microns	
	<b>Basis Wt: TAPPI T410</b> <small>*(24" x 36" 500 sheets)</small>	53.9	lb/ream		86.2	g/sq m	
	<b>Tensile:</b> ASTM D882	<b>MD</b>	48.0	lb/inch		211.2	N/25 mm
		<b>CD</b>	26.0	lb/inch		114.4	N/25 mm
	<b>Tear:</b> TAPPI T414	<b>MD</b>	1.8	ounces		51.1	grams
		<b>CD</b>	2.0	ounces		56.8	grams

<b>Liner Release:</b>		<b>Total Construction Caliper</b>	
TMLI 90° removal of Liner from Facestock.		(approximate):	
<b>Rate of Removal</b>	<b>Grams/2" Width</b>		
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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## Appendix

## Performance Data:

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

Surface	Initial (15 minute dwell)		72 Hours at Room Temperature		72 Hours at 120°F		96 Hours at 150°F (65°C) & 80% Relative Humidity	
	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.

Chemical	Adhesion to Stainless Steel		Visual	Edge
	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
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### Compliance Recognition: UL, C-U



Underwriters Laboratories, Inc.

Substrates	Minimum Temperature		Maximum Temperature		(I=Indoor Only I/O=Indoor & 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	-40	-40	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					
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**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", limak "SP-410", limak "SP-330", limak "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 I/O=Indoor & 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.

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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.

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