

**Fasson® 2 Mil White Void Polyester
TC/S8015W/50#SCK**

Spec#: 78194

Facestock		Facestock physical properties					
A 2 mil white coated voidable polyester film incorporating a pattern release layer which yields the word "VOID" for tamper evidence when removed from a substrate. This facestock is top coated to enhance flexographic, UV letterpress, and thermal transfer printing.			Imperial Value	Units		Metric Value	Units
	Caliper: ASTM D1000		0.0020	inches		50.80	microns
	Tensile: ASTM D882	MD	28,000	PSI		1,968	Kg/sq.cm
		CD	34,000	PSI		2,390	Kg/sq.cm

Adhesive		Adhesive physical properties					
S8015W adhesive is a high strength opaque white adhesive featuring medium initial tack, adhesion and shear. Offers a permanent bond to a wide variety of substrates including high (HSE), medium (MSE), low (LSE) surface energy and powder coat painted substrates.			Imperial Value	Units		Metric Value	Units
	Type:		Solvent Acrylic				
	Caliper: ASTM D1000		0.0010	inches		25.40	microns
	Standard Coat Wt:					32	g/sq m
	Minimum Appl Temp:		45	F		7	C
	Service Temp Range:	Min	-20	F		-29	C
		Max	212	F		100	C
	Loop Tack Stainless Steel: PSTC11		16.5	oz/in		18.2	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: ASTM D1000		0.0032	inches		81.2800	microns
	Basis Wt: TAPPI T410 * (24" x 36" 500 sheets)		53.9	lb/ream		86.2	g/sq m
	Tensile: ASTM D882	MD	48.0	lb/inch		211.2	N/25 mm
		CD	26.0	lb/inch		114.4	N/25 mm
	Tear: TAPPI T414	MD	1.8	ounces		51.1	grams
		CD	2.0	ounces		56.8	grams

Liner Release:		Total Construction Caliper (approximate):	
TMLI 90° removal of Liner from Facestock.			
Rate of Removal	Grams/2" Width		
400 inches/min.	60	0.0062 inches (6.2 mils; 157.48 microns)	

Features and Benefits

- Opaque white with good hiding power and physical strength
- Glossy top coat that accepts most flexographic, letterpress, and rotary screen inks
- Excellent thermal transfer printability with most wax/resin and resin ribbons
- Good adhesion to most substrates
- Tamper-evident when removal from substrate is attempted
- The "VOID" left on facestock and substrate when removed

Applications and Uses

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

- Product authentication labels
- Nameplates and rating plates
- Property identification and asset tags
- Security labels for over the counter drugs and other packaging applications
- Non-transferable labels or security tags

See Technical Bulletin "Tamper-Evident Polyesters" for proper end use and surface preparation

Printing and Converting

The top coat is designed for printing by flexography with most solvent and some water based inks. Specially formulated inks are normally not needed, however, testing is recommended prior to final ink selection. Suitable for thermal transfer printing applications with select ribbons and printer models. This product can be die cut and stripped at moderate speeds on standard web-fed presses. Although not intended for auto-application, sample labels have been successfully dispensed and applied at moderate speeds 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.

Appendix**Performance Data:**

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

	Initial (15 minute dwell)		72 Hours at Room Temperature		72 Hours at 120 ⁰ F		96 Hours at 150 ⁰ F (65 ⁰ C) & 80% Relative Humidity	
Surface	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm
1. Stainless Steel	64	70.4	73	80.3	87.5	96.3	92	101.2
2. Aluminum	62	68.2	66.6	73.3	72.7	80	83.5	91.9
3. Polypropylene	16.4	18	57.3	63	72	79.2	41.9	46.1
4. HDPE	11.3	12.4	19	20.9	15.8	17.4	31.7	34.9
5. LDPE	29.7	32.7	42.9	47.2	4.1	4.5	1.8	2
6. ABS Plastic	66	72.6	70	77	70	77	42	46.2

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	77.6	85.4	No Change	0.0
2. Tide® Detergent	83.4	91.7	No Change	0.0
3. Engine Oil (10W30)	82.5	90.8	No Change	0.0
4. Water	82.4	90.6	No Change	0.0
5. Ammonia - pH 11	81.1	89.2	No Change	0.0
6. 409® Cleaner	82.8	91.1	No Change	0.0
7. Toluene	2.4	2.6	Edge Lift	>6.4
8. Brake Fluid	82.2	90.4	No Change	0.0
9. Reference Fuel C	8.1	8.9	Edge Lift	>6.4
10. Kerosene K1	47.6	52.4	Edge Lift	>6.4
11. Heptane	37.7	41.5	Edge Lift	>6.4

Compliance Recognition:

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. 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.

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