Product Data Sheet

Fasson® 2 Mil Silver Void Polyester TC/S8015/50#SCK

Spec#: 78195

Facestock

A 2 mil bright silver voidable polyester film incorporating a pattern release layer which yields the word "VOID" for tamper evidence when removed from a substrate. The facestock is top coated to enhance flexographic, UV letterpress, and thermal transfer printing.

Facestock physical properties

		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

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.

Adhesive physical properties

		Imperial Value	Units	Metric Value	Units
Type:		Solvent Acrylic			
Caliper: ASTM D1000		0.0010	inches	25.40	micron
Standard Coat Wt:				32	g/sq m
Minimum Appl Temp:		45	F	7	C
Service Temp Range:	**Min**	-30	F	-34	C
	Max	300	F	149	C
Loop Tack Stainless Steel: PSTC11		110.0	oz/in	121.0	N/100mm

Liner

50#SCK is a bleached, super-calendered paper stock with very good diecutting and matrix stripping properties. Suitable for back-printing with standard inks.

Liner physical properties

		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:

TMLI 90° removal of Liner from Facestock.

Rate of Removal	Grams/2" Width
400 inches/min.	60

Total Construction Caliper (approximate):

0.0062 inches (6.2 mils; 157.48 microns)

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Features and Benefits

- Opaque facestock with excellent 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 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 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. Not intended for auto-application. Dispensing tests must be conducted prior to committing to production.

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.

	Initial (15 minute dwell)		72 Hours at Room Temperature		72 Hours at 120^0F		96 Hours at 150^0F (65^0C) & 80% Relative 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:

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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