

**Fasson® 2 Mil White Polyester TC/S8049/50#SCK
ABC**

Facestock		Facestock physical properties					
2 Mil White Polyester is a homogeneously pigmented white facestock featuring excellent tear strength, heat resistance, dimensional stability, opacity, and chemical resistance. The topcoat is designed to provide excellent printability with most UV and water based Flexo printing, along with compatibility to most TT ribbons		Imperial Value	Units		Metric Value	Units	
	Caliper: ASTM D1000	0.0020	inches		50.80	micron	
	Tensile: ASTM D882	MD	21,300	PSI		1,497	kg/cm2
		CD	28,400	PSI		1,997	kg/cm2

Adhesive		Adhesive physical properties					
S8049 is a rubber hybridized acrylic adhesive with extremely high final adhesion on a wide variety of surfaces, including textured and low surface energy substrates. This adhesive has excellent chemical resistance.		Imperial Value	Units		Metric Value	Units	
	Type:	S8049 Durable					
	Caliper: ASTM D1000	0.0018	inches		45.72	micron	
	Standard Coat Wt:				45	g/sq m	
	Minimum Appl Temp:	41	F		5	C	
	Service Temp Range:	Min	-40	F		-40	C
		Max	302	F		150	C
Loop Tack Stainless Steel: PSTC11	6.2	lb/in		0.0			

Liner		Liner physical properties					
50# SCK is a bleached, super-calendered paper stock with very good diecutting and matrix stripping properties. Used for standard roll-to-roll and fanfolded applications. For best results, fanfolded products must be processed in a controlled environment of 40-50% RH. Not recommended for sheeted applications. Features good back printability.		Imperial Value	Units		Metric Value	Units	
	Caliper: ASTM D1000	3.1900	mil		0.0000		
	Basis Wt: TAPPI T410 <small>*(24" x 36" 500 sheets)</small>	57.7	lbs		0.0	g/sq m	
	Tensile: ASTM D882	MD	51.0	lb/in		0.0	
		CD	22.7	lb/in		0.0	
	Tear: TAPPI T414	MD	57.1	gms		0.0	
CD		76.5	gms		0.0		

Liner Release: TMLI 90° removal of Liner from Facestock.		Total Construction Caliper (approximate):
Rate of Removal	Grams/2" Width	
400 inches/min.	45	.0068 inches

Features and Benefits

- Opaque white facestock with very good hiding power and physical strength
- Glossy clear topcoat 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
- Anti-block coating on backside of liner to resist adhesive blocking.
- Automotive exterior or underhood labels. Meets GM14573 (preceded by GM6121M) Type A & B; Daimler Chrysler MS-CG121 Type A, B, & D; Ford WSS-M99P34 Types A, A2, A3, & A4

Applications and Uses

This product is briefly repositionable, and then adhesion increases to a very high ultimate peel strength.

S8049 products are engineered to be resistant to harsh chemicals commonly found in the automotive and electronics industries.

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.

Optimal Storage Conditions

Unless otherwise specified in this document, ideally store at 72F and 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.

Surface	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	
	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm
1. Stainless Steel	112.32	31.22	139.04	38.64	140.16	38.96	139.04	38.68
2. Aluminum	97.44	27.10	138.88	38.63	136.32	37.89	130.88	36.39
3. ABS Plastic	131.04	36.42	134.28	37.33	102.40	28.47	65.76	18.29
4. Polypropylene	40	43.8	47.5	52	92.3	101	63.7	69.7
5. HDPE	65.6	18.22	117.12	32.57	47	51.5	125.28	34.82
6. LDPE	24	26.3	24.2	26.4	20.2	22.1	17.6	19.3

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. Acrylic Paint	-40	-40	302	150	I/O
2. Acrylic PCP*	-40	-40	302	150	I/O
3. Alkyd Enamel Paint	-40	-40	302	150	I/O
4. Aluminum	-40	-40	302	150	I/O
5. Epoxy Paint	-40	-40	302	150	I/O
6. Epoxy PCP*	-40	-40	302	150	I/O
7. Galvanized Steel	-40	-40	302	150	I/O
8. Polyester Paint	-40	-40	302	150	I/O
9. Polyester PCP*			302	150	I
10. Poly (Urethane) PCP*	-40	-40	302	150	I/O
11. Stainless Steel	-40	-40	302	150	I/O

12. Unsat Thermoset Polyester	-40	-40	302	150	I/O
13. Nylon (polyamide)	-40	-40	212	100	I/O
14. Phenolic	-40	-40	176	80	I/O
15. ABS Plastic			176	80	I
16. Polyphenylene Oxide	-40	-40	176	80	I/O
17. Polystyrene					

Recognized Ribbons: Armor "AXR7+", Armor "AXR8", Armor "AXR600", Astro Med Inc "R-5", Astro Med "RF", Astro Med "RY", Coding Prds "5940", DNP "R-300", DNP "R-510", DNP "TR4070", DNP "Signature Series Resin", limak "SP-410", limak "SP-330", limak "Primemark", Intermec "TMX 1500", Intermec "TMX 3200", ITW "B324", Kurz "K300", Kurz "K500", Kurz "K501", NCR "Promark 3", NCR "Pacesetter", NCR "Ultra V", NCR "Perma Max", NCR "K3", Ricoh "B110C", Ricoh "B110CR", Ricoh "120EC", Sato Corp. "Premier 1", Zebra "5095", Zebra "5175", Zebra "5463", Zebra "5555", 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. Electrostatic Coated Metal C	0		302	150	I/O
2. Electrostatic Coated Metal D	0		302	150	I/O
3. Metals	0		212	100	I/O
4. Plastics Group I	0		212	100	I/O
5. Plastics Group II	0		176	80	I/O
6. Plastics Group III	0		176	80	I/O
7. Plastics Group IV	0		176	80	I/O
8. Plastics Group V	0		176	80	I/O
9. Plastics Group VI	0		176	80	I/O
10. Plastics Group VII	0		176	80	I/O
11. Plastics Group VIII					

Recognized Ribbons: Armor "AXR7+", Armor "AXR8", Armor "AXR600", Astro Med "RY", DNP "R-300", DNP "R-510", DNP "TR4070", DNP "Signature Series Resin", Kurz "K500", NCR "Promark 3", Ricoh "B110C", Ricoh "B110CR", Sato Corp. "Premier 1", Zebra "5100", and others.

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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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