Let Us Label You

DURABLE PORTFOLIO

Product Data Sheet

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

Spec#: 79453 Durable

Facestock

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

Facestock physical properties

		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

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.

Adhesive physical properties

		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

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.

Liner physical properties

		Imperial Value	Units	Metric Value	Units
Caliper: ASTM D1000		3.1900	mil	0.0000	
Basis Wt: TAPPI T410 * (24" x 36" 500 sheets)		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.

Rate of Removal	Grams/2" Width
400 inches/min.	45

Total Construction Caliper (approximate):

.0068 inches

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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.

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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	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.

	Minimum Temperature		Maximum Temperature		
Substrates	**^oF**	**^oC**	**^oF**	**^oC**	**(I=Indoor Only I/O=Indoor & Outdoor)**
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

	-40	-40	302	150	I/O
12. Unsat Thermoset Polyester	-40	-40	212	100	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", Iimak "SP-410", Iimak "SP-330", Iimak "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

	Minimum Temperature		Maximum Temperature		
Substrates	**°F**	**°C**	**°F**	**°C**	**(I=Indoor Only I/O=Indoor & Outdoor)**
1. Electrostatic Coated Metal C	0		302	150	I/O
	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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