



David  
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FCC ID: Y3J-DCXBT2  
P/N: 43105G-01



FAA TSO-C139a MFR: 71483  
Model: DC PRO-X2



IC: 9409A-DCXBT2  
Made in USA





This device complies with Part 15 of the FCC Rules.  
Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference,  
and (2) this device must accept any interference  
received, including interference that may cause  
undesired operation.

LISTEN ↕ MONO ↕ STEREO	AUTO SHUT OFF OFF ↕ ON ↕
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**Fasson® 2 Mil White Polyester  
TC/S8025/50#SCK****Spec#: 77920 - Durable**

<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.			<b>Imperial Value</b>	<b>Units</b>		<b>Metric Value</b>	<b>Units</b>
	<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

Adhesive		Adhesive physical properties					
S8025 is a high performance, clear permanent solvent acrylic pressure sensitive adhesive with balanced adhesion to a wide variety of substrates, including low surface energy plastics, engineering grade plastics, bare, coated, or painted metals, including powder coat and enamel paints. It features medium tack for good short term repositionability, low ooze, and excellent chemical and UV resistance for outdoor industrial applications.			Imperial Value	Units		Metric Value	Units
	Type:		Solvent Acrylic				
	Caliper: ASTM D1000		0.0009	Inches		22.86	microns
	Standard Coat Wt:					27	g/sq m
	Minimum Appl Temp:		50	F		10	C
	Service Temp Range:	Min	-40	F		-40	C
		Max	302	F		150	C
Loop Tack Stainless Steel: PSTC11		50.6	oz/in		55.7	N/100 mm	

<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.			<b>Imperial Value</b>	<b>Units</b>		<b>Metric Value</b>	<b>Units</b>
	<b>Caliper:</b> ASTM D1000		0.0032	inches		81.2800	microns
	<b>Basis Wt: TAPPI T410</b> * (24" x 36" 500 sheets)		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>	<b>MD</b>	1.8	ounces		51.1	grams
		TAPPI T414	<b>CD</b>	2.0	ounces		56.8	grams

<b>Liner Release:</b>		<b>Total Construction Caliper</b>	
TMLI 90 <sup>0</sup> removal of Liner from Facestock.		(approximate):	
<b>Rate of Removal</b>	<b>Grams/2" Width</b>		
400 inches/min.	55	0.0062 inches (6.2 mils; 154.9 microns)	

### Features and Benefits

- Opaque white facestock with very good hiding power and physical strength
- Glossy clear topcoat which 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 GM14573\* (preceded by GM6121M) Type A & B; FCA MS-13445\* (preceded by MS-CG121); Ford WSS-M99P41\* Types A31, A32 and A33
- Meets FMVSS302 requirements with certain substrates.
- For safety-critical medical devices, labeling to IEC 60601 standards helps to ensure the safety and effectiveness of a device
- UL969 Yellow card link: <https://iq.ul.com/ul/cert.aspx?ULID=100076180>
- UL969 ,c-UL (CSA) and CSA recognized for indoor and outdoor use. Specific recognition information will be found in UL969 file # MH17205 and CSA file # 097198\_L\_00.

### Printing and Converting

The top coat is designed for printing by most solvent, UV cured, and water-based flexographic inks; UV cured letterpress, Digital and rotary screen inks. Specially formulated inks are not normally necessary, however, testing is recommended prior to final ink system selections.

Note: With most press inks, overlamination is required to meet the abrasion requirement for c-UL (CSA) recognition. At the 150°C recognition temperature, overlaminations darken enough to hinder the readability of most yellow colored inks. If overlamination is desired with UL969,c-UL or CSA recognition, seek recognition at a lower maximum use temperature.

Also suitable for thermal transfer printing with select ribbons and printers. Consult product recognition files or the Fasson Thermal Transfer Ribbon Guide for specific recommendations. This product can be die cut and stripped at high speeds on most web-fed presses. Sample labels in a

variety of shapes have been successfully dispensed and applied with standard labeling systems.

### **RoHS 3 (EU 2015/863)**

The Fasson® product listed above meets the requirements specified by the European Union Directive Restriction of Hazardous Substances Directive 2002/95/EC, 2011/65/EU (RoHS 2) and as amended by (EU) 2015/863 (RoHS 3). The heavy metals and phthalates called out in this directive are not intentionally used in the manufacture of Fasson® products and the total level of any incidental contamination of said substances in these products would be less than 100 ppm.

### **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

SHELF LIFE:

Unless specified otherwise in this document, one year when stored at 72F and 50% RH.

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 <sup>0</sup> F		96 Hours at 150 <sup>0</sup> F (65 <sup>0</sup> C) & 80% Relative Humidity	
Surface	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm
1. Stainless Steel	62.7	69	65.8	72.4	75.2	82.7	89.6	98.6
2. Aluminum	42.7	47	52.8	58.1	67.2	73.9	85.1	93.6
3. Polypropylene	52.3	57.5	62.9	69.2	59.2	65.1	57.9	63.7
4. HDPE	32	35.2	32	35.2	36.8	40.5	36.3	39.9
5. LDPE	24.8	27.3	42.1	46.3	35.4	38.9	23.7	26.1
6. ABS Plastic	56.2	61.8	65.6	72.2	56	61.6	54.7	60.2

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	43	47.3	No Change	0
2. Tide® Detergent	57.9	63.7	No Change	0
3. Engine Oil (10W30)	53.6	59	No Change	0

4. Water	60	66	No Change	0
5. Ammonia - pH 11	42.4	46.6	Edge Swell	0
6. 409® Cleaner	56.2	61.8	No Change	0
7. Toluene	29.4	32.3	Edge Swell	6.4
8. Brake Fluid	51	56.1	No Change	0
9. Reference Fuel C	48.8	53.7	Edge Swell	0
10. Kerosene K1	56.5	62.2	No Change	0
11. Heptane	43	47.3	No Change	0

**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. Alkyd Enamel	-40	-40	302	150	I/O
3. Aluminum	-40	-40	302	150	I/O
4. Epoxy Paint	-40	-40	302	150	I/O
5. Galvanized Steel	-40	-40	302	150	I/O
6. Polyester Paint	-40	-40	302	150	I/O
7. Polyester PCP*	-40	-40	302	150	I/O
8. Polyurethane PCP*	-40	-40	302	150	I/O
9. Porcelain	-40	-40	302	150	I/O



10. Stainless Steel	-40	-40	302	150	I/O
11. Epoxy PCP*	-40	-40	302	150	I/O
12. Melamine	-40	-40	212	100	I/O
13. Nylon	-40	-40	212	100	I/O
14. Polycarbonate	-40	-40	212	100	I/O
15. Thermoset Polyester	-40	-40	212	100	I/O
16. ABS Plastic	-40	-40	176	80	I/O
17. PBT Plastic	-40	-40	176	80	I/O
18. Polystyrene	-40	-40	176	80	I/O
19. Polyphenylene Oxide	-40	-40	176	80	I/O
20. Polypropylene	-40	-40	302	150	I/O
21. *PCP=Powder Coat Paint	-40	-40	176	80	I/O
22. Polyethylene Terephthalate					

**Recognized Ribbons:**

Armor "AXR7+", Armor "AXR8", Armor "AXR600", Astro Med Inc "R-5", Astro Med "RF", Astro Med "RY", Coding Prds "5940", 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 "5100", Zebra "5175", Zebra "5463", Zebra "5555", Zebra "Z-4100", and others., Fujicopian FTX303, Fujicopian FTX303N, Fujicopian TTM-164, Fujicopian FTX304, Fujicopian TTM-46, Fujicopian FTX100, Fujicopian TRX-21, Dai Nippon "R-300", Dai Nippon "R-510", Sony "TR4070", Sony "TR4075", Sony "TR5070", Sony "TR6070", Sony "TR6075", Sony "TRX75", Sony "Signature Series Resin", Union Chemicar "US300"



**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
	-40	-40	176	80	I/O
4. Plastics Group II	-40	-40	176	80	I/O
5. Plastics Group III	-40	-40	176	80	I/O
	-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
	-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", Kurz "K500", NCR "Promark 3", Ricoh "B110C", Ricoh "B110CR", Sato Corp. "Premier 1", Zebra "5100", and others., Fujicopian FTX304, Fujicopian TTM-46, Dai Nippon "R-300", Dai Nippon "R-510", Sony "TR4070", Sony "TR5070", Sony "TRX75", Sony "Signature Series Resin", Union Chemcar "US300"

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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 [label.averydennison.com/products](http://label.averydennison.com/products). 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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