

FCC ID Label File and Material Specifications



Technical Data Sheet



Fasson Roll North America
Phone: 800-944-8511
www.fasson.com

**Fasson® 2 Mil Matte Chrome Polyester
TC/S333/50# SCK ABC**

Spec# 72826

Facestock:

Fasson® 2 Mil Matte Chrome Polyester TC is a matte finished metallic film featuring excellent tear strength, heat resistance, dimensional stability, opacity and chemical resistance. Designed for printing with most solvent and some water-based flexographic inks. Suitable for thermal transfer printing applications with select thermal transfer ribbons. Specific testing required.

Caliper: 0.002 inches ± 10%

Tensile: MD 18,000 psi
CD 18,000 psi

Adhesive:

Fasson® S333 is an excellent, general purpose industrial grade clear adhesive. Features high initial tack, ultimate adhesion and low adhesive ooze.

Minimum Application Temperature: +25° F

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Service Temperature Range: -40° F to 300° F (-40° C to 149° C)

Typical Performance Data:

Typical values, not for specification use (see attached Appendix 1 and 2).

Liner:

50# SCK is a bleached, super calendered paper stock with very good die-cutting and matrix stripping properties. Supplied with an Anti Block Coating on the backside of the liner to control adhesive and label transfer to the backside of the liner in finished, wound rolls. This liner should not be used in fanfolded label applications and is not recommended for back printability.

Basis Weight:	56.5# per ream $\pm 10\%$ (24" X 36" 500 sheets)
Caliper:	0.0032 inches $\pm 10\%$
Tensile:	MD 51# per inch width CD 23# per inch width
Tear:	MD 56 grams per sheet CD 71 grams per sheet

Total Construction Caliper:

0.0061 inches $\pm 10\%$

Printing/Converting

The topcoat allows for printing by flexography without the need for specially formulated inks. However, testing is recommended prior to ink selection. This product can be die-cut and stripped at high speeds on standard web-fed presses. Sample labels in a variety of shapes have been dispensed and applied successfully with standard labeling systems.

Applications and Uses

This product is suitable for use in a wide range of durable labeling applications. This product is also UL recognized for indoor/outdoor service. See file #MH8212 and MH 17205 for specific details. Also recognized component of CSA (Canadian Standards Association).

Shelf Life

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

Statement of Practical Use

As with all pressure sensitive materials, this product should be tested thoroughly under end-use conditions to ensure it meets the requirements of the specific application.

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Wireless Solutions for Traffic Monitoring and Control

Appendix 1:

Performance Data

Fasson® 2 Mil Matte Chrome

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

Peel Adhesion: 180° and 90° peel test.

	Initial (15 minute dwell)				72 Hours at Room Temperature			
	180° Peel		90° Peel		180° Peel		90° Peel	
Surface:	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm
Stainless Steel	36.5	40.1	24	26.4	61.1	67.2	30.4	33.4
Aluminum	40.5	44.5	20.8	22.8	75.4	82.9	32	35.2
Enamel	32	35.2	19.2	21.1	30.4	33.4	25.6	28.2
Polypropylene	15	15.8	6.4	7	27.2	29.9	13.8	15.1
HDPE	17	18.7	9.6	10.6	22.2	24.5	17.3	19
LDPE	1.9	2.1	1.6	1.8	7.5	8.3	3.2	3.5
ABS	27.2	29.9	22.4	24.6	43.2	47.5	25.6	28.2
	72 Hours at 120° F				96 Hours at 150° F (65° C) 80% Relative Humidity			
	180° Peel		90° Peel		180° Peel			
Surface:	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm		
Stainless Steel	75.6	82	54.4	59.8	48	52.8		
Aluminum	80.2	88.2	46.4	51	54.4	59.8		
Enamel	51.2	56.3	41.6	45.8	48	52.8		
Polypropylene	25.3	27.8	12.8	14.1	19.2	21.1		
HDPE	21.8	23.9	15.5	17.1	22.4	24.6		

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LDPE	2.4	2.6	3.2	3.5	4.8	5.3
ABS	20.8	22.9	17.6	19.4	32	35.2

Liner Release:

90° removal of Liner from Facestock.

Loop Tack:

Rate of Removal	Grams/2" Width
400 inches/min.	80.16

	LoopTack	
	oz/in	N/100mm
Stainless Steel	32	35

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Appendix 2:

Environmental Performance Data

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Chemical Resistance: 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
Isopropyl Alcohol	30.4	33.4	No Change	0.89
Tide® Detergent	32.0	35.2	No Change	0.00
Engine Oil (10W30)	41.6	45.8	No Change	0.00
Water	38.4	42.2	No Change	0.00
Ammonia			Not Recommended	
409® Cleaner	22.4	24.6	No Change	0.00
Toluene	27.2	29.9	No Change	7.24
Brake Fluid	36.0	39.6	No Change	2.16
Gasoline	24.8	27.3	No Change	4.19
Kerosene K1	32.6	41.4	No Change	1.65
Heptane	30.4	33.4	No Change	2.03

409® is a registered trademark of the Clorox Company

Tide® is a registered trademark of the Procter & Gamble Company

Compliance Recognition: UL, CSA

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Appendix 3:

Compliance Data

Fasson® 2 Mil Matte Chrome

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UL - Underwriters Laboratories, Inc.

	Minimum Temperature		Maximum Temperature			Indoor &
Substrates:	F°	C°	F°	C°	Indoor Use	Outdoor
Aluminum	-40	-40	302	150		Yes
Stainless Steel	-40	-40	302	150		Yes
Galvanized Steel	-40	-40	302	150		Yes
Alkyd Enamel Painted Metal	-40	-40	212	100		Yes
Acrylic Painted Metal	-40	-40	302	150		Yes
Epoxy Paint	-40	-40	302	150		Yes
Polyester Paint	-40	-40	212	100		Yes
Nylon	-40	-40	212	100		Yes
Phenolic	-40	-40	212	100	Yes	
ABS Plastic	-40	-40	176	80	Yes	
Polypropylene Oxide	-40	-40	176	80	Yes	
Polycarbonate	-40	-40	176	80		Yes
Polystyrene	-20	-29	176	80	Yes	
Thermoset Polyester	-40	-40	212	100	Yes	
Recognized Ribbons:						
Armor "AXR7+"						Yes
Astro Med Inc "R-5"						Yes
NCR "Promark 3"						Yes
Dai Nippon "R-300"						Yes
Iimak "SP-330"						Yes
Japan Pulp & Paper "Resin 1"						Yes

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Peak "Ultra Premium"		Yes
Ricoh "XB110C"		Yes
Sato Corp. "Premier 1"		Yes
Sony "4072" "4571" "5070"		Yes
Union Chemicar "US-300"		Yes
Zebra "5095" "5175"		Yes
Ricoh "XB110CR"		Yes

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CSA - Canadian Standards Association

	Minimum	Temperature	Maximum	Temperature	Indoor &		
Substrates:	F°	C°	F°	C°	Outdoor		
Metals	-40	-40	302	150	Yes		
Plastics Group I	-40	-40	212	100	Yes		
Plastics Group II	-40	-40	176	80	Yes		
Plastics Group III	-40	-40	176	80	Yes		
Plastics Group V	-40	-40	176	80	Yes		
Plastics Group VI	-40	-40	176	80	Yes		
Plastics Group VII	-40	-40	176	80	Yes		
Plastics Group VIII	-40	-40	176	80	Yes		
Acceptable Ribbons:			Thermal Printers		Indoor &		
			Sato	TEC	Zebra	Datamax	Outdoor
Zebra "5095"					Yes		Yes
Sony "TR4070"			Yes		Yes	Yes	Yes
Sony Signature Series Resin			Yes		Yes	Yes	Yes
Imak "SP-330"			Yes		Yes	Yes	Yes
Japan Pulp & Paper "Resin 1"			Yes	Yes	Yes	Yes	Yes
Ricoh "B110C"			Yes	Yes	Yes	Yes	Yes
Sato Corp. "Premier 1"				Yes	Yes	Yes	Yes
Sony "TR5070"			Yes	Yes	Yes	Yes	Yes
Sony "TR4571"				Yes			Yes

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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.

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