

Product Data Sheet

Spec#: 78599

Fasson® 2 Mil Matte Chrome Void Polyester
TC/S6600/50#SCK

Facestock		Facestock physical properties					
				Imperial Value	Units	Metric Value	Units
A 2 mil matte 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.		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		Adhesive physical properties					
				Imperial Value	Units	Metric Value	Units
		Type: Emulsion Acrylic					
		Caliper: ASTM D1000		0.0008	inches	20.32	micron
		Standard Coat Wt:				27	g/sq m
		Minimum Appl Temp:		30	F	-1	C
		Service Temp	Min	-40	F	-40	C
		Range:	Max	300	F	149	C
		Loop Tack Stainless Steel: PSTC11		76.5	oz/inch	84.2	N/100 mm

Liner		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:		Total Construction Caliper (approximate):			
Rate of Removal	Grams/2" Width				
400 inches/min.	60	0.0062 inches (6.2 mils; 157.48 microns)			

Features and Benefits

- Opaque facestock with excellent hiding power and physical strength
- Top coated to accept most flexographic, letterpress, and rotary screen inks
- Good 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
- If stored at 72°F and 50% RH, the product can remain useable for up to two years.

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 top coat 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.

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°F		90° Peel Adhesion
	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm	
1. Stainless Steel	95.5	105.1	93	102.3	97.3	107	95
2. Aluminum	99.8	109.8	100.5	110.6	97.8	107.6	96
3. Polypropylene	98.4	108.2	95.4	104.9	96.6	106.3	94
4. HDPE	100.9	111	93.1	102.4	98.2	108	93
5. LDPE	91.5	100.7	91.4	100.5	58.1	63.9	82
6. ABS Plastic	93.7	103.1	92.8	102.1	96	105.6	90

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.

Chemical	Adhesion to Stainless Steel		Visual Appearance
	oz/in	N/100mm	
1. 70% IPA	84.3	92.7	No Change

2. Tide® Detergent	69.2	76.1	No Change
3. Engine Oil (10W30)	87.4	96.1	No Change
4. Water	65.7	72.2	No Change
5. Ammonia - pH 11	88.4	97.2	No Change
6. 409® Cleaner	2.1	2.3	No Change
7. Toluene	6.6	7.3	No Change
8. Brake Fluid	153.7	169.1	No Change
9. Reference Fuel C	40.7	44.8	No Change
10. Kerosene K1	65.1	71.6	No Change
11. Heptane	68.7	75.6	No Change

Compliance Recognition: UL CSA C-U

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.

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