

Facestock		Facestock physical properties				
A 2 mil white coated voidable polyester film incorporating a pattern release layer which yields the word "VOID" for tamper evidence when removed from a substrate. This facestock is top coated to enhance flexographic, UV letterpress, and thermal transfer printing.		Imperial Value	Units	Metric Value	Units	
	<b>Caliper:</b> ASTM D1000	0.0020	inches	50.80	microns	
	<b>Tensile:</b> ASTM D882	<b>MD</b>	28,000	PSI	1,968	Kg/sq.cm
		<b>CD</b>	34,000	PSI	2,390	Kg/sq.cm

Adhesive		Adhesive physical properties				
S8015W adhesive is a high strength opaque white adhesive featuring medium initial tack, adhesion and shear. Offers a permanent bond to a wide variety of substrates including high (HSE), medium (MSE), low (LSE) surface energy and powder coat painted substrates.		Imperial Value	Units	Metric Value	Units	
	<b>Type:</b>	Solvent Acrylic				
	<b>Caliper:</b> ASTM D1000	0.0010	inches	25.40	microns	
	<b>Standard Coat Wt:</b>			32	g/sq m	
	<b>Minimum Appl Temp:</b>	45	F	7	C	
	<b>Service Temp Range:</b>	<b>Min</b>	-20	F	-29	C
		<b>Max</b>	300	F	149	C
	<b>Loop Tack Stainless Steel:</b> PSTC11	16.5	oz/in	18.2	N/100mm	

Liner		Liner physical properties				
50#SCK is a bleached, super-calendered paper stock with very good diecutting and matrix stripping properties. Suitable for back-printing with standard inks.		Imperial Value	Units	Metric Value	Units	
	<b>Caliper:</b> ASTM D1000	0.0032	inches	81.2800	microns	
	<b>Basis Wt:</b> TAPPI T410 <small>* (24" x 36" 500 sheets)</small>	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> TAPPI T414	<b>MD</b>	1.8	ounces	51.1	grams
		<b>CD</b>	2.0	ounces	56.8	grams

Liner Release:		Total Construction Caliper
TMLI 90° removal of Liner from Facestock.		(approximate):
Rate of Removal	Grams/2" Width	
400 inches/min.	60	0.0062 inches (6.2 mils; 157.48 microns)

**Features and Benefits**

- Opaque white with good hiding power and physical strength
- Glossy top coat that accepts most flexographic, letterpress, and rotary screen inks
- Excellent 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

**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. Although not intended for auto-application, sample labels have been successfully dispensed and applied at moderate speeds 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.

**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		9
	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm	
1. Stainless Steel	64	70.4	73	80.3	87.5	96.3	
2. Aluminum	62	68.2	66.6	73.3	72.7	80	8
3. Polypropylene	16.4	18	57.3	63	72	79.2	4
4. HDPE	11.3	12.4	19	20.9	15.8	17.4	3
5. LDPE	29.7	32.7	42.9	47.2	4.1	4.5	
6. ABS Plastic	66	72.6	70	77	70	77	

**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	9
	oz/in	N/100mm		
1. 70% IPA	77.6	85.4	No Change	
2. Tide® Detergent	83.4	91.7	No Change	
3. Engine Oil (10W30)	82.5	90.8	No Change	
4. Water	82.4	90.6	No Change	
5. Ammonia - pH 11	81.1	89.2	No Change	
6. 409® Cleaner	82.8	91.1	No Change	
7. Toluene	2.4	2.6	Edge Lift	
8. Brake Fluid	82.2	90.4	No Change	
9. Reference Fuel C	8.1	8.9	Edge Lift	
10. Kerosene K1	47.6	52.4	Edge Lift	
11. Heptane	37.7	41.5	Edge Lift	

**Compliance Recognition:**  UL  CSA  C-U

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