2.6 Mil White BOPP TC/S6600/50#SCK

Product Data Sheet
Spec#: 77849

Facestock	**Facestock physical properties**						
2.6 Mil White BOPP is a topcoated white biaxially oriented polypropylene film with good durability and printability.			**Imperial Value**	**Units**		**Metric Value**	**Units**
	Caliper: ASTM D1000		0.0026	inches		66.04	microns
	Tensile: ASTM D882	**MD**	12,600	PSI		886	kg/sq.cm.
		CD	22,200	PSI		1,561	kg/sq.cm.

Adhesive	**Adhesive physical properties**						
S6600 is a highly aggressive tackified emulsion acrylic permanent adhesive with high adhesion to to a wide variety of substrates including low surface energy substrates such as polypropylene, HDPE and LDPE.			**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 Range:	**Min**	-40	F		-40	C
		Max	300	F		149	C
	Loop Tack Stainless Steel: PSTC11		76.5	oz/inch		84.2	N/100 mm

Liner	**Liner physical properties**						
50# SCK is a bleached, super calendered paper stock with very good die-cutting and matrix stripping properties. Used for standard roll-to-roll applications. Not recommended for sheeting.			**Imperial Value**	**Units**		**Metric Value**	**Units**
	Caliper: ASTM D1000		0.0032	inches		81.2800	micron
	Basis Wt: TAPPI T410 * (24" x 36" 500 sheets)		54.5	lbs/ream		87.2	g/sq m
	Tensile: ASTM D882	**MD**	48.0	lbs/inch		211.2	N/25 mm
		CD	26.0	lbs/inch		114.4	N/25 mm
	Tear: TAPPI T414	**MD**	1.8	ounces		51.1	grams
		CD	2.1	ounces		59.6	grams

Liner Release: TMLI 90° removal of Liner from Facestock.		**Total Construction Caliper** (approximate):
Rate of Removal	**Grams/2" Width**	
400 inches/min.	50	0.0066 inches (6.6 mils; 167.6 microns)

Features and Benefits

- Biaxially oriented for excellent converting and dispensing characteristics
- Cavitated core adds extra opacity and hiding power
- Topcoated for excellent rotary press printability
- Good adhesion to low surface energy substrates like polypopylene
- Acid- and chemical-resistant adhesive and facestock
- Recyclable with battery casings

Applications and Uses

- Nameplates and decals
- Wet cell battery labels for automotive, marine, and RV applications
- WIP or tracking labels
- Part labels

Printing and Converting

Topcoated for excellent printability with most flexographic, letterpress, and screen inks, including water based, solvent, or UV cured inks. Testing is highly recommended before making final ink choices. A variety of shapes and sizes have been successfully diecut and stripped at high speeds on standard roll fed presses and dispensed on standard pressure sensitive labeling equipment.

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

FDA Compliance :
Fasson® S-6600 adhesive compositionally complies with Title 21 Code of Federal Regulations (C.F.R.) Section 175.105 ("Adhesives"). Compliance with this regulation permits the use of this adhesive in applications provided the adhesive is separated from food by a functional barrier or 1) with dry food, the quantity of the adhesive does not exceed the limits of good manufacturing practice, or 2) with fatty and aqueous foods, the quantity of the adhesive that contacts the food does not exceed the trace amount at seams and at the edge exposure between packaging laminates that may occur within the limits of good manufacturing practice.

Fasson Roll North America has not conducted any migratory, taste or odor studies to determine which packaging substrates would be considered suitable functional barriers for adhesives. It is therefore recommended that you or your customer(s) perform the appropriate tests to ensure that the components of the adhesives do not migrate to food at more than insignificant levels. Likewise, the inks and any other materials that you may be used to produce the final label product should also be considered for evaluation and analysis.

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°F		9
Surface	**oz/in**	**N/100mm**	**oz/in**	**N/100mm**	**oz/in**	**N/100mm**	o
1. Stainless Steel	95.5	105.1	93	102.3	97.3	107	9
2. Aluminum	99.8	109.8	100.5	110.6	97.8	107.6	9
3. Polypropylene	98.4	108.2	95.4	104.9	96.6	106.3	9
4. HDPE	100.9	111	93.1	102.4	98.2	108	9
5. LDPE	91.5	100.7	91.4	100.5	58.1	63.9	8
6. ABS Plastic	93.7	103.1	92.8	102.1	96	105.6	

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	
Chemical	**oz/in**	**N/100mm**	**Appearance**	
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

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