

Facestock		Facestock physical properties				
2 Mil Clear BOPP TC is a topcoated, heat set, biaxially oriented, co-extruded polypropylene film with excellent clarity. The surface has been modified for improved ink adhesion. This product has excellent moisture resistance and good diecutting and dispensing characteristics.		Imperial Value	Units	Metric Value	Units	
	Caliper: ASTM D1000	0.0020	inches	50.80	microns	
	Tensile: ASTM D882	MD	14,000	PSI	984	kg/sq.cm.
		CD	32,000	PSI	2,250	kg/sq.cm.

Adhesive		Adhesive physical properties				
S6600 is a highly aggressive tackified emulsion acrylic permanent adhesive with high adhesion 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 <small>*(24" x 36" 500 sheets)</small>	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		2.0	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.	100	0.006 inches (6 mils; 152.4 microns)

Features and Benefits

- Optically clear
- Heat set for dimensional stability
- Biaxially oriented for excellent converting and automatic dispensing
- Top coated for improved ink and thermal ribbon anchorage
- Aggressive acid and chemical resistant adhesive

Applications and Uses

- Nameplates and decals
- Part labels
- WIP and tracking labels
- Labels for LSE substrates
- Wet cell battery labels or overlamination

Printing and Converting

Top coated 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. Prints with a variety of thermal transfer resin and wax/resin based thermal transfer ribbons. A variety of shapes and sizes have been successfully die cut 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

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	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.

Chemical	Adhesion to Stainless Steel		Visual	
	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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