

Facestock		Facestock physical properties				
2 Mil Tamperfas™ Vinyl is a matte white cast vinyl film designed specifically for security labeling. Care should be taken in qualifying a particular die configuration to ensure proper strippability.		Imperial Value	Units	Metric Value	Units	
	Caliper: ASTM D1000	0.0022	inches	55.88	micron	
	Tensile: ASTM D882	MD	5	psi	0	
		CD	5	psi	0	

Adhesive		Adhesive physical properties				
S730 is a clear solvent acrylic permanent adhesive for general purpose industrial applications. Features good initial tack and ultimate adhesion to a wide variety of substrates including medium to low surface energy plastics, and high shear for minimal cold flow or ooze characteristics.		Imperial Value	Units	Metric Value	Units	
	Type:	Solvent Acrylic				
	Caliper: ASTM D1000	0.0009	inches	22.86	micron	
	Standard Coat Wt:			27	g/sq m	
	Minimum Appl Temp:	50	F	10	C	
	Service Temp Range:	Min	-40	F	-40	C
		Max	300	F	149	C
	Loop Tack Stainless Steel: PSTC11	59.2	oz/inch	65.1	N/100 mm	

Liner		Liner physical properties				
50#SCK is a bleached, super calendered kraft paper liner with very good diecutting 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.		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>	54.0	lbs/ream	86.4	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	1.7	ounces	48.3	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.	20	0.0063 inches (6.3 mils; 160 microns)

Features and Benefits

- Opaque white cast vinyl with excellent hiding power.
- Fragile facestock tears very easily for tamper evidence.
- Clear acrylic general purpose permanent adhesive with good adhesion to most metals, paints, and plastics.
- Inherently flexo printable surface.
- Anti-block coating on the back of the liner

Applications and Uses

- Security labels and seals
- Tamper-proof or tamper-evident labels
- Warranty labels
- Authentication marks

Printing and Converting

Tamperfas™ Vinyl is printable with most standard flexographic and UV letterpress inks. For specific diecutting requirements, consult the Technical Marketing Bulletin for Tamperfas™. Due to manufacturing requirements, there might be a maximum of 15 splices per 1,668 yards. Standard shelf life is amended to 6 months from date of purchase when stored at 70° F/50% R.H. It is strongly recommended that the product be converted and applied to substrate within 6 months of purchase. Due to inherent properties of this unique product, facestock shrinkage does occur. Exposure to environmental conditions other than those recommended will accelerate facestock shrinkage or liner growth. Either condition can make the product unusable. Not recommended for automatic application.

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. This data was obtained with the adhesive applied to 2 mil polyester facestock. It is not possible to conduct these tests with Tamperfas™ facestock due to the fragile nature of the facestock.

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. Aluminum	77.1	84.8	70.2	77.2	86.2	94.8	1
2. Stainless Steel	67.7	74.5	84.8	93.3	90	99	1
3. ABS Plastic	58.9	64.8	77.8	85.6	73.3	80.6	5
4. Polypropylene	24	26.4	0	0	11	12.1	
5. HDPE	11.7	12.9	4.4	4.8	11	12.1	2
6. LDPE	11	12.1	13.2	14.5	8.8	9.7	

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	81.5	89.7	No Change	
2. Tide® Detergent	72.5	79.8	No Change	
3. Engine Oil (10W30)	76.8	84.5	No Change	
4. Water	36.7	40.4	No Change	
5. Ammonia - pH 11	29.6	32.6	No Change	
6. 409® Cleaner	38.7	42.6	No Change	
7. Toluene	33.7	37.1	No Change	
8. Brake Fluid	79.4	87.3	No Change	
9. Reference Fuel C	50.72	55.8	No Change	
10. Kerosene K1	69	75.9	No Change	
11. Heptane	60.7	66.8	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.

Warranty

All statements, technical information and recommendations about AVERY DENNISON products are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All AVERY DENNISON products are sold with the understanding that PURCHASER has independently determined suitability of such products for its purposes. AVERY DENNISON products are warranted to the original purchaser to be free from defects in material or workmanship for a period of one year from date of shipment. Purchaser's sole and exclusive remedy for breach of this warranty shall be the replacement of the defective products or, at AVERY DENNISON's option, the issuance of a credit or refund in an amount up to the purchase price of the defective product. In no event shall AVERY DENNISON be responsible for claims beyond the purchase price of the defective product.

THE WARRANTY SPECIFICALLY SET FORTH ABOVE IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OR MERCHANTABILITY, FITNESS FOR ANY PARTICULAR USE AND/OR NON-INFRINGEMENT. AVERY DENNISON SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER SUCH WARRANTIES. IN NO EVENT SHALL AVERY DENNISON BE LIABLE TO PURCHASER OR ANY OTHER PARTY FOR INDIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES.

No representative or agent of AVERY DENNISON is authorized to give any guarantee or warranty or make any representation contrary to the above. No waiver, alteration, addition or modification of the foregoing conditions shall be valid unless made in writing and signed by an executive officer of AVERY DENNISON.

www.na.fasson.com



Avery Dennison
Fasson Roll North America
8080 Norton Parkway
Mentor, OH 44060
800-944-8511 (US & Canada)
52-55-5093-0100 (Mexico)

