

Fasson® 3 Mil Velvet Lexan®/S730/1.5M PET

 Product Data Sheet
 Spec#: 75849

Facestock		Facestock physical properties					
3 Mil Clear Velvet Lexan® is a 3 mil polycarbonate overlaminating film featuring a velvet textured finish. Provides superior abrasion resistance and protection to finished label constructions in indoor and outdoor environments.			Imperial Value	Units		Metric Value	Units
	Caliper: ASTM D1000		0.0030	IN		76.20	micron
	Tensile: ASTM D882	MD	9,000	psi		633	kg/sq cm
		CD		psi			kg/sq cm

Adhesive		Adhesive physical properties					
S730 is a clear solvent acrylic permanent adhesive for general purpose industrial applications. Features good intial 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						
1.5 mil durable polyester liner suitable for high-speed diecutting and stripping applications. Used primarily for roll-to-roll, high-speed dispensing applications.			Imperial Value	Units		Metric Value	Units	
		Caliper:	0.0014	in		35.5600	microns	
		Basis Wt: TAPPI T410 * (24" x 36" 500 sheets)	0.0			0.0	g/sq m	
		Tensile:	MD	18,500.0	psi		1,850.0	kg/sq cm
		ASTM D882	CD	22,500.0	psi		2,250.0	kg/sq cm
		Tear:	MD					
		TAPPI T414	CD					

Liner Release:		Total Construction Caliper (approximate):	
TMLI 90° removal of Liner from Facestock.			
Rate of Removal	Grams/2" Width		
400 inches/min.	40	0.0054 inches (5.4 mils)	

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Features and Benefits

- Velvet matte finish for non-glare surface
- Optically clear with low haze for unobstructed view of graphics underneath
- Very high abrasion and scratch resistance
- Good chemical resistance
- Smooth polyester liner imparts a smooth adhesive coat for faster wet out and clear view of printed label surface.
- UL and c-UL recognized for overlamination. See UL files MH8212 for specific recognized conditions.

Applications and Uses

Designed for overlamination of polyester or vinyl label materials to protect press printing from abrasion or chemical exposures.

Suitable for use on dark flood coated backgrounds or surfaces.

Printing and Converting

Not specifically designed for printing, however, can be press printed with some inks made for films. testing is required before making final ink selections. Can be die cut with normal rotary tooling, but dies must be sharp and made for this purpose. Because this film has high strength and stiffness, it can aid matrix stripping and automatic label dispensing.

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.

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Appendix

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		96 Hours at 150°F (65°C) & 80% Relative Humidity	
Surface	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm
1. Aluminum	61.2	67.32	80.94	89.03	88.94	97.83	123.34	135.67
2. Stainless Steel	57.05	62.76	75.92	83.51	83.05	91.36	124.3	136.73
3. ABS Plastic	56.5	62.15	75.86	83.45	66.49	73.14	58.34	64.17
4. Polypropylene	14.8	16.28	12.08	13.29	19.82	21.8	19.0	20.9
5. HDPE	6.97	7.67	12.44	13.68	10.94	12.03	14.64	16.1
6. LDPE	7.18	7.9	9.08	9.99	7.68	8.45	6.38	7.02

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	Edge
Chemical	oz/in	N/100mm	Appearance	Penetration mm
1. 70% IPA	81.5	89.7	No Change	0
2. Tide® Detergent	72.5	79.8	No Change	0
3. Engine Oil (10W30)	76.8	84.5	No Change	0
4. Water	36.7	40.4	No Change	0
5. Ammonia - pH 11	29.6	32.6	No Change	0
6. 409® Cleaner	38.7	42.6	No Change	3.1
7. Toluene	33.7	37.1	No Change	6.4
8. Brake Fluid	79.4	87.3	No Change	0
9. Reference Fuel C	50.72	55.8	No Change	3.3
10. Kerosene K1	69	75.9	No Change	3.1
11. Heptane	60.7	66.8	No Change	0

Compliance Recognition: UL, C-U



Underwriters Laboratories, Inc.

Substrates	Minimum Temperature		Maximum Temperature		(I=Indoor Only I/O=Indoor & Outdoor)
	°F	°C	°F	°C	
1. on PET Labels	-40	-40	257	125	I/O
2. on PVC Labels	-40	-40	212	100	I/O

Recognized Ribbons: Not designed for thermal transfer printing.



Tested by Underwriters Laboratories, Inc.
to meet the requirements of the Canadian Standards Association for
labeling materials

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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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Warranty

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