

DURABLE PORTFOLIO

1 Mil Clear Print-Treated Polyester/S8020/40#BG

Product Data Sheet
Spec#: 77844 Durable

Facestock		Facestock physical properties				
1 Mil Clear Print-Treated Polyester is a highly transparent overlaminating film facestock featuring excellent tear strength, heat resistance, dimensional stability and chemical resistance. Print treatment is designed to enhance printability with a variety of printing processes.		Imperial Value	Units		Metric Value	Units
	Caliper: ASTM D1000	0.0010	in		25.40	micron
	Tensile: ASTM D882	MD	psi		2,355	kg/sq cm
		CD	psi		2,355	kg/sq cm

Adhesive		Adhesive physical properties				
S8020 is a clear, permanent acrylic adhesive designed for overlaminating films. It exhibits a balance of high cohesive strength and adhesion to low surface-energy substrates. Specifically designed to exhibit excellent wetout characteristics, good yellowing resistance, and excellent clarity.		Imperial Value	Units		Metric Value	Units
	Type:	Emulsion Acrylic				
	Caliper: ASTM D1000	0.0007	inches		17.78	micron
	Standard Coat Wt:				19	g/sq m
	Minimum Appl Temp:	23	F		-5	C
	Service Temp	Min	F		-40	C
	Range:	Max	F		149	C
	Loop Tack Stainless Steel: PSTC11	40.0	oz/inch		44.0	N/100 mm

Liner		Liner physical properties				
40#BG is a bleached white glassine liner with excellent smoothness, density, and roll label converting properties.		Imperial Value	Units		Metric Value	Units
	Caliper: ASTM D1000	0.0023	inches		58.4200	micron
	Basis Wt: TAPPI T410 * (24" x 36" 500 sheets)	39.3	lbs		62.9	g/sq m
	Tensile:	MD	lbs/inch		191.0	N/25 mm
	ASTM D882					
		CD	lbs/inch		74.8	N/25 mm
	Tear: TAPPI T414	MD	ounces		34.0	grams
		CD	ounces		42.5	grams

Liner Release:		Total Construction Caliper (approximate):
TMLI 90° removal of Liner from Facestock.		
Rate of Removal	Grams/2" Width	
400 inches/min.	35	0.0040 inches (4 mils; 101.6 microns)

DURABLE PORTFOLIO

Product Data Sheet**Features and Benefits**

- Crystal clear facestock for unobstructed view of printing underneath.
- Smooth glassine 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 and MH17205 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. Not recommend for bright metallic backgrounds or large dark flood coated surfaces. Use polyester lined overlaminations for bright or dark backgrounds.

Printing and Converting

Can be added on top of other materials to make them thermal transfer printable. Overlaminations can be aids to matrix stripping and automatic label dispensing.

RoHS 3 (EU 2015/863)

The Fasson® product listed above meets the requirements specified by the European Union Directive Restriction of Hazardous Substances Directive 2002/95/EC, 2011/65/EU (RoHS 2) and as amended by (EU) 2015/863 (RoHS 3) .The heavy metals and phthalates called out in this directive are not intentionally used in the manufacture of Fasson® products and the totallevel of any incidental contamination of said substances in these products would be less than 100 ppm.

Optimal Storage Conditions

Unless otherwise specified in this document, ideally store at 72F and 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.

DURABLE PORTFOLIO**Product Data Sheet****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 120⁰F		96 Hours at 150⁰F (65⁰C) & 80% Relative Humidity	
Surface	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm	oz/in	N/100mm
1. Stainless Steel	38.9	43.3	28.6	31.9	57.1	63.5	54.2	60.2
2. Aluminum	31.6	35.1	56.3	62.7	55.4	61.1	53.4	59.2
3. Polypropylene	17.9	19.9	33.9	37.7	27.4	30.4	24.2	26.8
4. HDPE	16.2	18	18.8	20.9	21.7	24.1	22.2	24.7
5. LDPE	29.6	32.9	15.1	16.8	16.6	18.4	10.6	11.8
6. ABS Plastic	39.6	44	41.3	45.9	43.4	48.2	26.5	29.2

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. PET Plastic	-40	-40	302	150	I/O
2. PVC (Rigid)	-40	-40	140	60	I/O
3. Polypropylene	-40	-40	212	100	I/O

Recognized Ribbons: Armor "AXR7+", Armor "AXR8", Armor "AXR600", Astro Med "RY", Coding Prds "5940", DNP "R-300", limak "SP-330", limak "SP-575", ITW "B324", Kurz "K500", NCR "Promark 3", Ricoh "B110C", Sato Corp. "Premier 1", Zebra "5095", Zebra "Z-4100", and others.



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

Substrates	Minimum Temperature		Maximum Temperature		(I=Indoor Only I/O=Indoor & Outdoor)
	°F	°C	°F	°C	
1. PET Plastic	-40	-40	302	150	I/O
2. PVC (Rigid)	-40	-40	140	60	I/O

Recognized Ribbons: Armor "AXR7+", Astro Med "RY", DNP "R-300", limak "SP-330", ITW "B324", Ricoh "B110C", Ricoh "B110CR", Sato Corp. "Premier 1", and others.

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 sales and contracts for sale are expressly conditioned on the buyer's assent to Avery Dennison's terms and conditions found on its website at label.averydennison.com/products. Avery Dennison hereby objects to any term, different from or additional to Avery Dennison's terms, contained in any buyer communication in any form, unless agreed to in a writing signed by an officer of Avery Dennison.

www.na.fasson.com 	Label and Packaging Materials-North America 8080 Norton Parkway Mentor, OH 44060 800-944-8511	 10001372 QM15 ISO 9001:2015 DQS Inc. AVERY DENNISON LGM-NA
---	---	---