PharmaLock® Easy Seal+

A wider range of applications. A lower risk of damage.

Smurfit Westrock PharmaLock® Easy Seal+ is engineered to seal to a broad range of high-barrier blister foils and films, including Honeywell's Aclar®. And since it seals at a lower temperature, you can minimize the risk of damaging product. PharmaLock Easy Seal+ is a patented, extrusion-coated, heat-sealable paperboard. It's designed specifically for fold-over blister card applications such as pharmaceutical products that require child-resistant yet senior-friendly features. A smooth, uniform printing surface delivers high-impact graphics. When seeking supreme versatility, turn to PharmaLock Easy Seal+.

Applications

- Beauty and Personal Care
- Healthcare
- Home and Garden
- Media and Electronics

Product classification

- Polymer-coated
- Solid bleached sulfate
- SBS paperboard
- GZ

Features

- Ultimate flexibility
- Low-temperature
- Seal
- Line speed
- Product uniformity
- Simplified converting

Benefits

- Delivers superior adhesion to a wide variety of films and foils for broader packaging applications, including PVA, PVDC-coated, PVC PET, and polystyrene. It's also compatible with Honeywell's Aclar, an increasingly popular barrier film used in pharmaceutical packaging.

- Effectively seals at a lower temperature than competitive alternatives.

- This minimizes the risk of product damage and reduces ink degradation.

- You can expect dwell times that are up to 20% less than other heat-seal coatings. In turn, expect to see improved throughput and decreased costs.

- A smooth surface delivers outstanding ink holdout and best-in-class consistency for optimal printability. Polymer coat-weight uniformity offers improved efficiencies and maximum throughput on high-speed forming and filling equipment.

- Direct printing on the board eliminates the need to apply a heat-seal coating. This improves converting efficiency and reduces inventory costs.

Additional product information

Sustainability

- All Smurfit Westrock North American paperboard mills are certified to the SFI®, PEFC, FSC® Chain of Custody Standards. Contact your Smurfit Westrock sales representative for certified fiber availability for this product.

- Certificate Codes:
  - SFI Certified Sourcing: NSF-SFI-CS-6S751
  - SFI CoC: NSF-SFI-COC-6S751
  - PEFC CoC: NSF-PEFC-COC-0000751
  - FSC CoC: SA-COC-010294

Quality

- Manufactured in a Smurfit Westrock North American facility certified under ISO 9001, ensuring consistent quality management standards.

Environmental and Product Safety

- Notices under US California Proposition 65 and the EU REACH regulation are not required.

- Elemental chlorine free (ECF) bleached fiber.

- Meets heavy metal limits of the US Model Toxics in Packaging rules and Article 11 of EU Directive 94/62/EC.

Smurfit Westrock

PharmaLock® Easy Seal+

Grade availability and typical board properties (U.S.)

Grade availability by caliper		0.010	0.012	0.014	0.016	0.018	0.024	Units	Method
Caliper		0.010	0.012	0.014	0.016	0.018	0.024	inches	T-411
Nominal basis weight		124	145	163	182	199	250	lbs/3000 sq ft	T-410
Moisture content		5.3	5.3	5.3	5.6	5.6	5.6	percent	T-412
Internal bond		75	65	70	70	70	80	.001 ft-lb/sq in	T-569
ZDT		60	52	47	40	40	40	psi	T-541
Stiffness									
Taber 15°	MD	55	85	120	170	220	440	gf-cm	T-489
	CD	25	45	60	95	120	230	gf-cm	T-489
Coated side									
GE brightness		86	86	86	86	86	86	percent	T-452
Parker Print		1.0	1.0	1.0	1.2	1.2	1.2	µm	T-555
Color									
Hunter	L	93	93	93	93	93	93	L-a-b	T-524
	a	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	L-a-b	T-524
	b	1.5	1.5	1.5	1.5	1.5	1.5	L-a-b	T-524

Values are for basestock only; for nominal basis weight including polymer, add 14 lbs/3000 sq ft.

Grade availability and typical board properties (Metric)

Grade availability by weight								Units	Method
Thickness		254	305	356	406	457	610	microns	T-411
Nominal basis weight		202	236	265	296	324	407	gsm	T-410
Moisture content		5.3	5.3	5.3	5.6	5.6	5.6	percent	T-412
Internal bond		158	137	147	147	147	168	J/m²	T-569
ZDT		414	359	324	276	276	276	kPa	T-541
Stiffness									
Taber 15°	MD	5.4	8.3	11.8	16.7	21.6	43.2	mNm	T-489
	CD	2.5	4.4	5.9	9.3	11.8	22.6	mNm	T-489
Coated side									
GE brightness		86	86	86	86	86	86	percent	T-452
Parker Print		1.0	1.0	1.0	1.2	1.2	1.2	µm	T-555
Color									
Hunter	L	93	93	93	93	93	93	L-a-b	T-524
	a	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	L-a-b	T-524
	b	1.5	1.5	1.5	1.5	1.5	1.5	L-a-b	T-524

Values are for basestock only; for nominal basis weight including polymer, add 23 gsm. Metric values are calculated through standard unit conversions and are provided for informational reference.
Values are subject to change without notice.

For more information, please contact your Smurfit Westrock representative or visit our website at **smurfitwestrock.com.**

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