PHARMACEUTICAL BLISTER PACKAGING

AluBa™

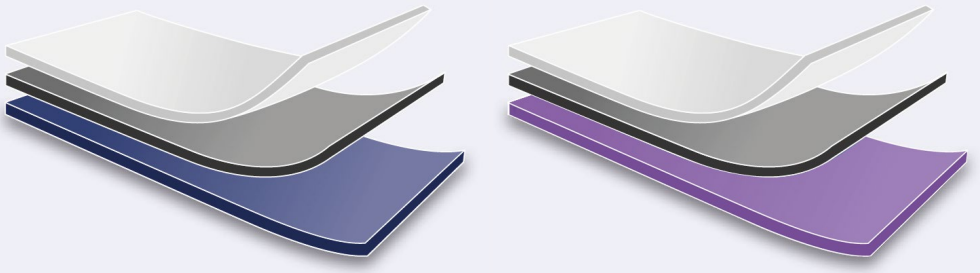
Cold Form Foil (CFF) tri-laminate

LIVEO RESEARCH

Ultimate barrier with superior processability: Liveo Research's multilayer cold form foil offers optimum protection from water vapor, oxygen, and light. Ideal for very hygroscopic and sensitive pharmaceutical products.

AVAILABLE STRUCTURES

AluBa™
3-layer "Cold Form" structure



Base
PVC
PP

Barrier
ALU

Outerlayer
OPA

PROPERTIES & BENEFITS

BEST AVAILABLE H_2O BARRIER

0,00 g/m²*d *

(see reverse side)

BEST AVAILABLE O_2 BARRIER

0,00 cm³/m²*d *

(see reverse side)

HIGH EFFICIENCY

1 kg foil results in > 4 m² output

** related to the permeability of the aluminum layer*

FIELDS OF APPLICATION

- Ethicals
- Generics
- OTC
- Nutraceuticals
- Veterinary
- Probiotics
- Dietary Supplements
- More upon request

SERVICES FOR YOUR NEEDS

- Timesaving up to 50%: We identify the most suitable packaging solution for you
- Packaging costs: Save up to 40% of your current costs by using one of our services
- Material efficiency: our services can help reduce waste by up to 30%*

YOUR BENEFIT

- Excellent customer service representatives available worldwide
- Global technical support from our large staff of engineers
- More than 60 years of experience in our R&D centers in Europe, USA, and Asia
- Security of supply: Multiple production facilities in Europe, USA, and Asia

Ask about our service portfolio!

info@liveoresearch.com
www.liveoresearch.com

*Based on Liveo Research multiple industry studies. Results vary by application.

PHARMACEUTICAL BLISTER PACKAGING

AluBa™

Cold Form Foil (CFF) tri-laminate

LIVEO RESEARCH

BARRIER CHART

The values in the barrier chart are valid for all possible structures, such as DX, TX, and SW.

H_2O	Water Vapour Transmission Rate [g/m²*d]
AluBa™	0
AquaBa™ 180	0,06
Aclar® 4000	0,06
AquaBa™ 150	0,08
Aclar® 3000	0,08
AquaBa™ 120	0,11
Aclar® 2000	0,11
Aclar® 900	0,24
BlisBa™ 120	0,25
BlisBa™ PCP 360	0,27
BlisBa™ 90	0,30
BlisBa™ PCP 300	0,33
Aclar® 160	0,35
BlisBa™ PCP 250	0,42
BlisBa™ 60	0,45
BlisBa™ 40	0,65
BlisBa™ MP	0,90
BlisForm™ MV	3,30
BlisForm™ MA	6,00

Conditions: ASTM F-1249 | 38° C/90 % r.h.
Base film 250 µm, Base film PP 300 µm

O_2	Oxygen Transmission Rate [cm³/m²*d]
AluBa™	0
AquaBa™ 180	0,07
Aclar® 4000	11,30
AquaBa™ 150	0,10
Aclar® 3000	12,30
AquaBa™ 120	0,13
Aclar® 2000	13,30
Aclar® 900	17,00
BlisBa™ 120	0,30
BlisBa™ PCP 360	67,00
BlisBa™ 90	0,50
BlisBa™ PCP 300	84,00
Aclar® 160	20,00
BlisBa™ PCP 250	110,00
BlisBa™ 60	0,70
BlisBa™ 40	1,20
BlisBa™ MP	310,00
BlisForm™ MV	16,00
BlisForm™ MA	16,00

Conditions: ASTM D-3985 | 23° C/50 % r.h.
Base film 250 µm, Base film PP 300 µm

QUALITY & REGULATORY

Compliance

- Compliant with Ph. Eur. and USP requirements
- Compliant with US CFR Title 21
- EU food contact compliant according to Regulation (EC) No 1935/2004 and Regulation (EU) No 10/2011
- Compliant with REACH Regulation (EC) No 1907/2006
- Compliant with CONEG
- Compliant with Regulation (EU) 2025/40), Article 5

Registrations / Filings

- US DMF No. 1081 available
- Canadian DMF No. 2017-093 available
- Chinese CDE registration available

Manufacturing / Quality

- Produced according to ISO 15378

More than 60 years of experience that we are glad to share!
Contact us for further information!

info@liveoresearch.com **www.liveoresearch.com**
www.linkedin.com/company/liveo-research/

Aclar® is a registered trademark of Solstice Advanced Materials US, Inc.