

# AluBa

Cold Form Foil (CFF) tri-laminate



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

## AVAILABLE STRUCTURES

**AluBa**  
3-layer "Coldform" structure

<b>Outerlayer</b>	OPA
<b>Barrier</b>	ALU
<b>Base</b>	PVC PP

## PROPERTIES & BENEFITS

**BEST AVAILABLE H<sub>2</sub>O BARRIER**  
0,00 g/m<sup>2</sup>\*d \*  
*(see reverse side)*

**BEST AVAILABLE O<sub>2</sub> BARRIER**  
0,00 cm<sup>3</sup>/m<sup>2</sup>\*d \*  
*(see reverse side)*

**HIGH EFFICIENCY**  
1kg foil results in >4 m<sup>2</sup> output

*\* related to the permeability of the aluminium layer*

## FIELDS OF APPLICATION

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

## SERVICES FOR YOUR NEEDS

- Time-saving up to 50 %: We identify the most suitable packaging solution for you
- Packaging costs: Save up to 40 % of your actual costs by using one of our services
- Sustainability: Up to 30 % reduction of waste by using one of our service products

## 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!

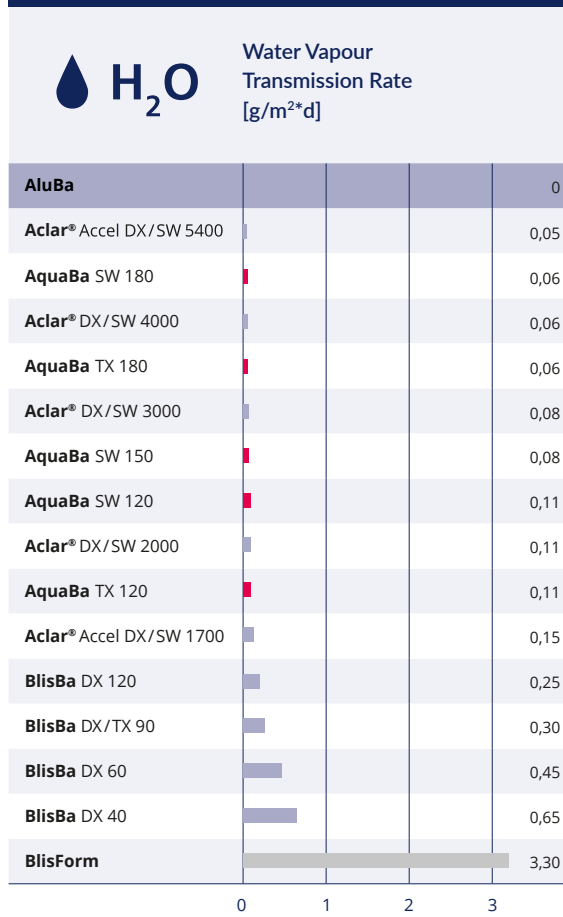
[info@liveoresearch.com](mailto:info@liveoresearch.com)  
[www.liveoresearch.com](http://www.liveoresearch.com)

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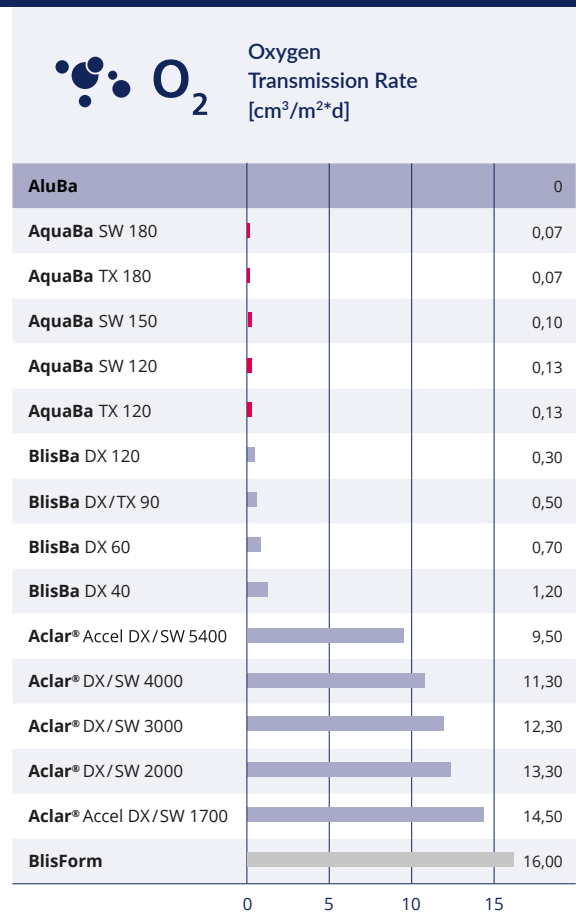
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## BARRIER CHARTS



**Conditions:** ASTM F-1249 | 38°C / 90 % r.h.  
base film PVC 250 µm



**Conditions:** ASTM D-3985 | 23°C / 50 % r.h.  
base film PVC 250 µm

*Aclar® is a registered trademark of Honeywell International Inc.*

## QUALITY & REGULATORY

- Current valid EU Pharmacopeia
- Current valid US Pharmacopeia
- US CFR 21
- EC 1935/2004, (EU) No. 10/2011
- REACH – Regulation (EC) No. 1907/2006
- US DMF #1081
- Canadian DMF #2017-093
- Directive 94/62/EC
- US CONEG Regulations
- ISO 15378



Long time on market, but far from old:  
More than 60 years of experience that we are glad to share!

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