

AIOx CRYSTALLINE

Transparent ultra high barrier layer of aluminium oxide – AIOx

Excellent barrier properties

They are absolutely safe for the packaged product and the consumer

Stable properties at high temperature and high humidity

Suitable for use in microwave ovens

Suitable for printing on the side coated with AIOx

Very good clarity and transparency

Metal detectors can be used during the packaging process



Film laminate designed for packaging:



Dry Products



Medical Instruments



Pet Food



Toiletries



Pasteurized Products



One of the possible applications of film with Crystalline layer

AlOx CRYSTALLINE

Transparent ultra high barrier layer of aluminium oxide – AlOx

Benefits for the natural environment and benefits for the consumer:



lower energy consumption and material consumption



they do not emit chlorine gas during combustion (as opposed to the PVDC coating)



increased efficiency of the packaging due to replaced EVOH or PVDC layers



they have less packaging weight (reducing emissions of carbon dioxide (CO₂))



TYPES OF FILM IN OUR OFFER :

- PET CRYSTALLINE
- LidFoI B PET/CRYSTALLINE/PE
- LidFoI B PET/CRYSTALLINE/PP

Barrier performance

| Film | | PET 12 µm | BOPP 20 µm | BOPP 18 µm | PLA 20 µm |
|--|----------|--------------|---------------|---------------|--------------|
| OTR Oxygen transmission cm ³ /(m ² ·d) | Uncoated | 100-150 | 2000-2500 | 400-500 | 850-950 |
| | AlOx | ≤ 2 | ≤ 100 | ≤ 1 | 10-15 |
| WVTR Water vapour transmission g/(m ² ·d) | Uncoated | 40-50 | 4-7 | 4-5 | 440 |
| | AlOx | ≤ 1 | ≤ 6 | ≤ 1 | 5-10 |

