

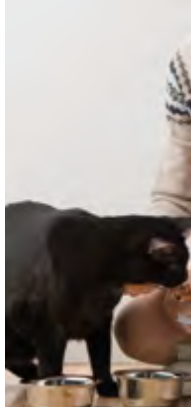


You & Us

High Temperature
Applications



Efficient and sustainable
composite solutions for
Ready-made meals, baby food
and pet food



WALOX – High-temperature resistant composite films

For high-temperature applications, Wipak has developed a plastic composite that, amongst other, can replace PET/AIOx-compounds. This package is sterilizable up to temperatures of 130° C and can be heated

Micro-wavable

No PET-AIOx

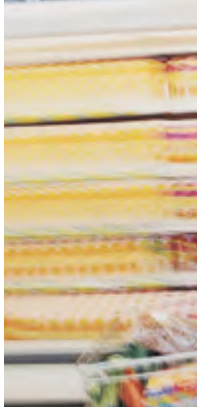
Easy opening for bags



Oxygen barrier
 $< 1 \text{ cm}^3/\text{m}^2 \cdot \text{d} \cdot \text{bar}$

Transparent

Sterilizable
(up to 130°C)

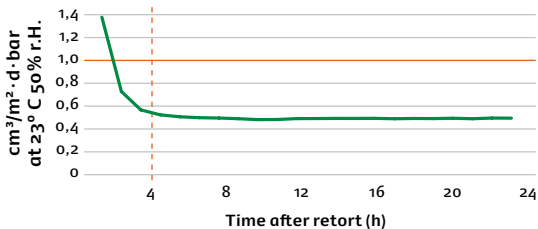


Replacement
for tins and
glass
packages

in a microwave oven. High oxygen barrier or long shelf life – the new WALOX composite films are the solution for demanding market segments like baby food, pet food, and ready meals.

Regeneration of oxygen barrier after autoclave treatment

(130°C/60 min.)

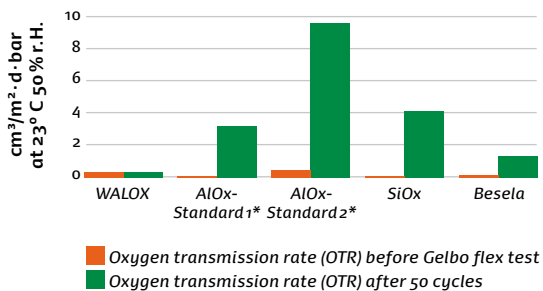


The oxygen barrier regenerates within four hours after autoclave treatment. Transmission of $< 1 \text{ cm}^3/\text{m}^2 \cdot \text{d} \cdot \text{bar}$ is already reached after less than two hours.



**WALOX
Safe Barrier –
No risk at
high twist!**

Flex crack resistance of heat-resistant high-barrier films



WALOX offers excellent product protection and mechanical stability while maintaining full barrier effect: Compared to common transparent and temperature-resistant high barrier films, WALOX stands out for excellent flex crack resistance.

* AlOx Standard 1 and 2: Different price level



NICE PP/NICE XX PP

Thin. Efficient. Sustainable. NICE PP is THE alternative to semi-rigid films. Compared to conventional films, the film thickness can be reduced by up to 35% – depending on the application– while maintaining dimensional stability. NICE PP can be processed using all common packaging systems. It is available in thicknesses of 210 to 500 μm and can be delivered with or without gas barrier. NICE PP is pasteurizable and sterilizable and suitable for hot filling.

Possible applications:

- ▶ Frozen and ready-made meals
- ▶ Pasta
- ▶ Fish and sea fruit
- ▶ Baby food
- ▶ Vegetables



Aluthen composites

Temperature-resistant film solutions for pouch applications (stand-up pouches/flow-packs) based on aluminum. Thanks to the recently developed sealing layers, the Aluthen composites are suitable for both hot-filling and for pasteurization or sterilization, depending on the Aluthen product version.

Hot filling
(up to 80° C)

Sterilization
(up to 121° C)



Particularly suited for flowpack applications and stand-up pouches