

SHELFPLUS® O₂

The freshest solution
for active packaging





Absorbing oxygen actively and easily

SHELFPLUS® O₂ is simply mixed with well-established packaging materials such as PE, PP, PA or EVA. It acts as an absorber of the oxygen left in the packaging head space and in the product itself. In addition, it reduces the extent to which oxygen penetrates the packaging.

SHELFPLUS® O₂ 3200 is a combination with the passive barrier material PA, the additional oxygen absorption provides a greatly improved barrier that gives your product optimum protection.

Absorbing costs just as well

Most packaging technologies designed to increase shelf life also have drawbacks. Vacuum sealing is expensive, for example, while bulky containers like jars and cans push up logistics costs.

Adding SHELFPLUS® O₂ to normal packaging plastic, on the other hand, creates scarcely any extra expense or weight. On the contrary: the fact that plastic can be moulded to the required shape enables empty containers to be stacked inside one another, which saves transport space. And even when filled, their low net weight enables optimum use of transport capacity. The potential for cutting logistics costs this way is substantial!

SHELFPLUS® O₂

Durability is one batch ahead

Organic products contain oxygen, so that they have a limited shelf life after packaging. As a result, manufacturers of foodstuffs and medical products are always looking for new ways to extend the product's durability. The premium batch SHELFPLUS® O₂ from ALBIS provides a unique solution to this problem.

Passive oxygen barriers such as glass, metal or EVOH can prevent almost all oxygen from infiltrating the packaging, but the oxygen trapped in the head space and in the product itself is not removed – with the result that products perish quickly. SHELFPLUS® O₂, the innovative active packaging technology from ALBIS, solves this problem without additional production costs. Manufacturing plants, processes and methods already being used in the plastics industry remain unchanged.



A vast range of applications

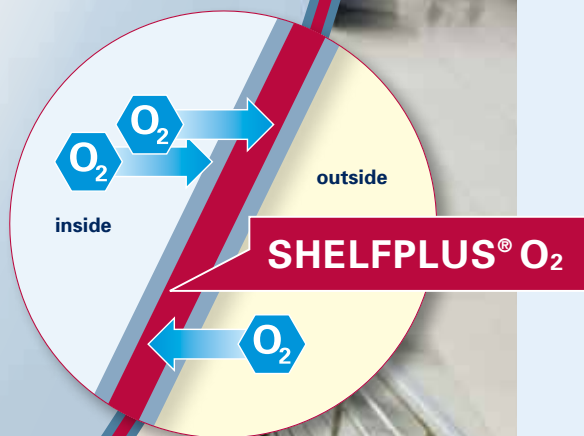


Your application
could appear here



SHELFPLUS® O₂ provides innovative solutions for various applications. Ask your local representative to optimize your packaging application, or contact us under shelfplus@albis.com

SHELFPLUS® O₂ is the future of packaging not only for manufacturers of foodstuffs or cosmetics, but also for cleaning products, medical supplies and many other applications. It can be used for flexible foils, sealed covers, rigid packaging, caps and closures, and it allows the substitution of common materials like glass or metal. In some cases, it does away with the need for refrigeration during transport or storage. SHELFPLUS® O₂ can be easily integrated into established production processes.

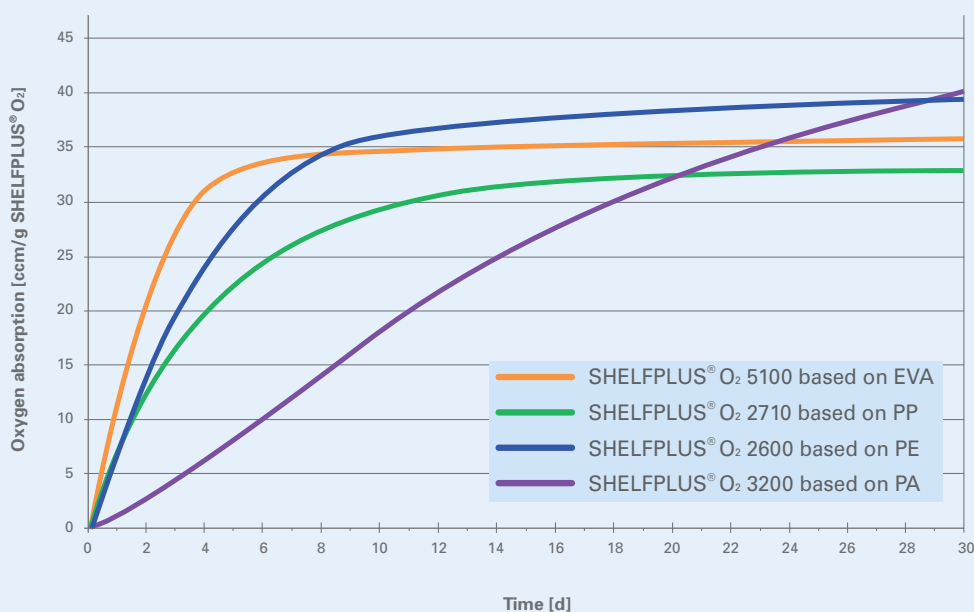


By adding SHELFPLUS® O₂ to packages made from PE, PP, PA or EVA, an oxygen scavenger system is created.

Individual performance for individual products

The maximum performance of one gram of SHELFPLUS® O₂ is currently in the region of 35 cm³ O₂ in the first seven days. However, actual performance can be adjusted to suit your individual type of packaging and product specification. If the packaging is slightly permeable to oxygen, for instance, specially customised SHELFPLUS® O₂ can compensate for this by continually reducing the oxygen over a longer period of time.

Products such as sausages that are sold in transparent packaging suffer oxidation through the combination of light and oxygen. Here, SHELFPLUS® O₂ absorbs 100 % of the oxygen present in the head space of the packaging material during delivery. Thus the harmful oxidation can no longer occur, and there is no further obstacle to the presentation of the merchandise in an illuminated supermarket display.



Performance on demand:
SHELFPLUS® O₂ absorbs as much oxygen as necessary and as quickly as you want.

SHELFPLUS® O₂: advantages at a glance

Manufacturer

- Simple integration into existing production processes
- Cost-cutting potential
- Compatible with PE, PP, PA and EVA
- Chance to generate new customer

Companies

- Longer shelf life without refrigeration, freezing or vacuum-sealing
- Can eliminate the need for other methods of oxygen removal

- Lower weight compared to conventional packaging
- Cost savings through reduction of transportation costs
- Extended product freshness leads to higher customer satisfaction

Consumer

- Harmless to health (certified for food contact use)
- Longer shelf life at home
- Convenient for storage, as refrigeration is not needed
- Fewer preservatives need to be used

ALBIS

PERSPECTIVES ON PLASTICS

After the company was founded in 1961, ALBIS PLASTIC GmbH quickly made a name for itself as a competent partner in the plastics processing industry, and established itself as a leading compounder of technical plastics. The present product range consists of the broad distribution programme of major manufacturers, as well as versatile, high-performance and technical thermoplastics. With its proven competence, ALBIS provides its customers with application-related advice and centralised know-how for business success and innovative product management in dynamic markets.

Contact us

For further details and solutions with SHELFPLUS® O₂ for your application please contact us under:
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ALBIS worldwide

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