



PACKAGING EXCELLENCE

Innovative plastics solutions
for the packaging industry







SELECT.

Welcome to ALBIS. With one of the broadest plastics portfolios in the world, we are highly accomplished technical experts and independent consultants for all matters relating to plastics. Product innovations and technical consulting for the packaging industry are our areas of specialisation.

In addition to distributing Europe's leading plastics brands, we develop and produce our own special plastics. Our technical compounds and batches are used wherever the material must withstand challenging tasks. What sets us apart? For us, our plastics expertise doesn't end with the delivery.

Why? Because we are more than just a supplier. We are ALBIS. We have a detailed understanding of the challenges of your industry, from producing packaging to filling, all the way to the requirements of your end customers. Whether it's active packaging or sustainable packaging concepts – with our plastics expertise, we can provide you with unique know-how in our capacity as technical consultants.

This brochure provides an overview of how we can find a solution for each of your challenges.

OPEN.



EFFECT HIGHLIGHTS FOR THE EXTERNAL VALUES.

If exterior requirements take precedence over technical functions in your applications, we have a large portfolio of optical effects on offer. Polymers with metallic or pearlescent effects can be realised just as easily as paper-like effects with a high-quality feel. We can supply our solutions in the form of masterbatches or finished compounds.

In the area of masterbatches, additives and colours, we are supported by our strong partner Ampacet. For applications with very large volumes, the entire Ampacet product range offers extensive additions to our own specialties.



- Food contact layer
- SHELFPLUS® O₂ layer**
- Barrier layer
- Tie layer
- Outside layer

SHELFPLUS® O₂

A LONGER SHELF LIFE IS JUST ONE BATCH AWAY.

If your products are used for packaging organic contents, you'll be familiar with this problem: Oxygen. It reduces the shelf life of food, medicines and cosmetics or causes the contents to look old. Passive barriers such as glass, metal and EVOH are ineffective against the oxygen contained in the packaging head section or in the actual contents.

The solution? The premium additive batch SHELFPLUS® O₂.

SHELFPLUS® O₂ absorbs the oxygen present in the packaging and reduces the volume of oxygen that penetrates from outside. The batch can easily be integrated into your production process and refined using standard materials (PE, PP, PA and EVA) to create rigid packagings or films.

THE FUTURE OF ACTIVE PACKAGING.

We relish unique and complex challenges – which is why we are actively driving the development of technical plastics solutions. We plan to produce a complete family of SHELFPLUS active packaging products based on the existing oxygen absorber. This will allow us to introduce a range of humidity controllers, UV blockers or batches with antimicrobial effects under the SHELFPLUS name for extending the shelf life of organic products.



OTHERS CALL IT WASTE – WE LIKE TO CALL IT INTELLIGENT MARKETING.

CO₂-neutral packaging is all the rage. Consequently, we were asked to supply a 100 % bio-degradable and compostable plastic for manufacturing egg cartons. However, the microbiological aspects of compostability can only be reconciled to a limited degree with thermal requirements for food packaging. Or to put it another way: Packaging that starts to disintegrate by itself under hot truck tarpaulins is not up to the task in hand.

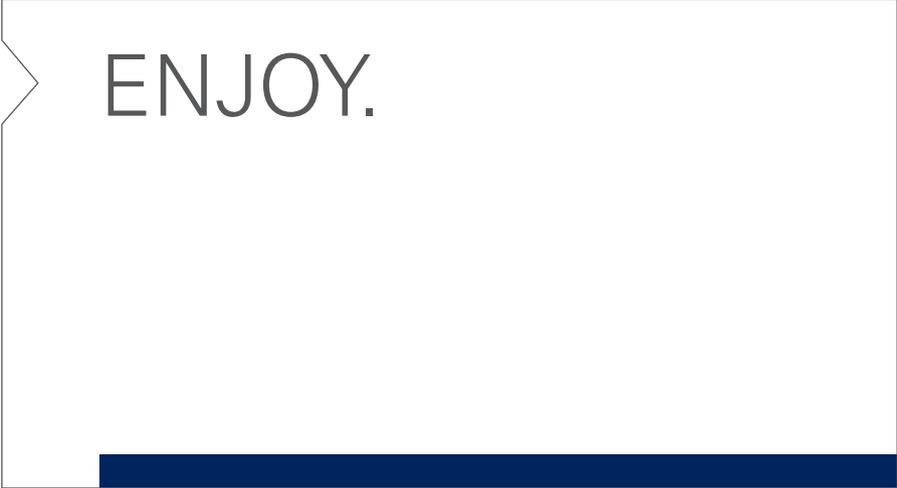
Therefore, we suggested a smart alternative involving a compound made of a bio-based plastic and ground eggshells – a waste product from the food industry. The egg as a consumer product is also used to package itself – it's recycling brought full circle. And it was a cracking idea.

When used as packaging, the product opens up unique marketing possibilities that are simply not possible with conventional plastics. For example, if you make the bottle for a coconut milk product using a compound containing actual coconut fibres, then the end product is almost as good as a coconut from the consumer's perspective. A coconut that can be automatically filled and sealed, and is recyclable and reusable – with a guaranteed shelf life.

IN AN EMERGENCY, IT'S EXPERIENCE AND CREATIVITY THAT COUNT.

A dairy plant that processes FFS film in a single cycle (deep-drawing, filling, sealing) to produce portion milk decided to install a faster machine. Too late, staff at the plant noticed that the faster cycle rate prevented the film from cooling sufficiently between the work steps, causing it to shrink more. Suddenly, the packaging turned out to be too small for the contents.

In scenarios like this, our comprehensive service expertise really pays dividends: At extremely short notice, our experts developed a solution for the altered production process. We recommended a mineral-filled masterbatch to the film manufacturer along with the exact formulation. In this way, it was possible to adjust the shrinking properties of the FFS film at the very last minute – and with no functional restrictions – to the new generation of machinery.



ENJOY.

We are fully equipped for all future plastics innovations covering all aspects of packaging. Our knowledge of the neuralgic factors in the packaging industry is exceeded only by our expertise in the field of plastics. Our highly-motivated team of developers is standing by. And our passion and commitment know no bounds.

Now there's only one thing missing: You.

If you see yourself or your challenges described in this brochure, then contact us. We can work together to develop the next and subsequent expansion stages in the areas of active packaging, sustainable materials or efficient processing.

You can address all of your questions on all aspects of plastic packaging solutions to our central point of contact.

packaging@albis.com

Of course, you are also welcome to call our offices or your local contact at any time. For a complete contact list including all ALBIS sales offices as well as our subsidiaries worldwide, please visit www.albis.com

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