

BIO-V: Meet the technology that accelerates the biodegradability of plastics

Using the additive BIO-V in the composition of heat-shrinkable packaging ensures accelerated biodegradability of the material, without the formation of microplastics.

Plastic is present in societies daily life, offering safety, durability and resistance, less contamination, greater mechanical possibilities and extremely efficient processes compared to other types of materials.

At Valgroup, the entire portfolio of shrinkable packaging for proteins is developed with the purpose of reducing environmental impact, reinforcing our commitment to raise the quality of life through innovative and sustainable solutions, optimizing resources and supporting the circular economy for plastics.

And, to reaffirm this commitment, we have BIO-V, an additive with advanced accelerated biodegradability technology, which makes plastic bags decompose in landfills in up to 5 years, without leaving microplastics in the environment.

When compared to conventional plastic, **BIO-V** brings the following advantages:

- Being fully biodegradable, not affecting the recyclability of the plastic.
- After being tested, it was found that **79.6%** of a material with BIO-V already turned into CH₄, biomass and CO₂ in up to **942 days** (graph)*.
- It takes only **5 years** to decompose completely in anaerobic environments, according to the **ASTM D 5511** test.
- Carry the same characteristics, strength and resistance of conventional plastic.

*Graph: Biodegradation percentage of SB15 with BIO-V in the composition, in Landfill

Together with BIO-V, our shrinkable packages act to keep the product fresh, prolonging the shelf life of the product, minimizing waste throughout the chain and ensuring the customer a more efficient and profitable process!

Visit us at IPPE 2023 at booth **BC9225** or contact Ariadne Milare at (419) 306-1816 or ariadne.milare@valgrouppco.com to understand how our solutions can help you and your business!

About Valgroup: For over 45 years in the market, Valgroup has become one of the largest producers, transformers and recyclers of plastic, with operations in Brazil, Spain, United States, Italy, Mexico and Uruguay, and more than 6 thousand employees at 40 plants. A consolidated company with the purpose of improving quality of life through the development of innovative and sustainable solutions, in search of leadership in the plastic packaging market in the Americas and the



recognition as a reference in circular economy, being one of the first companies in the world to sign the Global Commitment to the New Plastic Economy.

To learn more about Valgroup's shrink bag portfolio, please visit:
https://www.valgroupco.com/en/produto/categorias_produto/alimentos/sacos-shrink/

