



## Enhancing plastic to protect against oxidation

KONSERV™ eliminates the need for costly oxygen-absorbing devices by extending the shelf life of food and non-consumable products. Reduces mold growth, delays non-enzymatic browning and retains flavor by preventing oxidation.

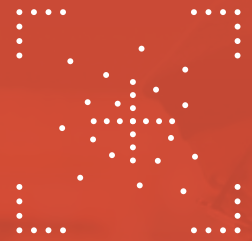
- Formulated to remove oxygen, protecting food from oxygen deterioration
- Effective use of KONSERV™ requires a modified/controlled packaging environment (MAP/CAP)
- Extends shelf life of fruit, meat, dairy and baked goods
- Compatible with all polymers (PE, PP, PS, PET, etc.)
- Replaces other oxygen-scavenging devices in packaging for a fraction of the cost
- Proven reliability through extensive independent testing
- Resin carrier
- 100% recyclable
- FDA approved

## Maximizing the potential of plastic

Plastic is deeply engrained in our everyday lives and we need an immediate yet sustainable solution to the plastic waste crisis. Designed to protect the health and well-being of both people and planet, our performance additives serve to reduce environmental impact while profoundly enhancing the behavior and beneficial properties of plastic.

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BIO-ASSIMILATION

ANTIFUNGAL

ANTIMICROBIAL

ANTIFUNGAL +  
ANTIMICROBIAL

LIQUID ANTIMICROBIAL

ODOR ELIMINATOR

**KONSERV™**  
OXYGEN SCAVENGER

BIO-BASED  $\text{CaCO}_3$

PRODUCT I.D.

SUSTAINABLE  
POLYMER  
SOLUTIONS

**smartplastic™**



## CHANGE THE PLASTIC BETTER THE PLANET

### Applications

- Pharmaceuticals and vitamins
- Medical diagnostic kits and devices
- Nuts and snacks
- Whole fat dry foods
- Processed, smoked and cured meats
- Cheeses and dairy products
- Spices and seasonings
- Flour and grain items
- Fresh/precooked pasta
- Birdseed and pet food
- Breads, cookies, cakes and pastries
- Candies and confectioneries
- Coffee and tea
- Dried fruits and vegetables
- Artwork preservation
- And many other applications

### Benefits

- Helps retain fresh-roasted flavor of coffee and nuts
- Prevents oxidation of spice oleoresins present in spices themselves and in seasoned foods
- Prevents oxidation of vitamins A, C and E
- Extends life of pharmaceuticals
- Inhibits mold in natural cheeses and other fermented dairy products
- Delays non-enzymatic browning of fruits and some vegetables
- Inhibits oxidation and condensation of red pigment in most berries and sauces
- Preserves solderability of electronic parts

Our solutions represent a game-changing shift in polymer science. As a disruptor in waste management, environmental and human wellness spaces, we are revolutionizing the sustainability of plastic and transforming its very nature for the benefit of both people and planet.

We are relentless in our pursuit of plastics that retain all of the benefits while bringing an end to global plastic waste. Backed by extensive scientific research and conclusive third-party testing, all of our products are 100% recyclable, FDA approved and purposefully designed for the circular economy.

**smartplastic™**

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