PRODUCT BULLETIN

Cesa™ & OnCap™ Animal-Free & Food Contact Approved Film Additives

Animal-Free Additive Solutions for Flexible Food Packaging with Extensive Food Contact Approvals

FOOD PACKAGING IN A CHANGING MARKET

In many food contact applications, flexible plastic packaging is replacing rigid packaging for varied reasons; it has lightweight characteristics, is easy to customize in any shape, and has a favorable carbon footprint.

Demand for AFO (animal-free-origin) packaging is also becoming more popular; this is due in part to the growing global trends of vegetarianism and veganism, but also as a response to some faith-based requirements such as halal or kosher practices. Such consumer groups expect full transparency of the supply chain and are discerning purchasers.

Converters and brand owners working with flexible film products are seeking extended food contact compliance for their packaging options, as this gives them the potential to increase their global market reach and share. This often involves food contact approvals that extend beyond the EU or the USA, and take into consideration specific regions or other food safety standards.

Current packaging trends also place sustainability front and center. Eco-conscious packaging compositions are preferred by customers, pushing convertors and brand owners to use sustainable materials—perhaps partially based on renewable or bio-derived sources—that also ensure food contact compliance.

WHAT IT DOES

This range of additives offers food contact approved solutions that address these changing market requirements, to help improve existing film properties such as slip, anti-block, anti-static or no-fog.

The option of using these solutions helps converters and brand owners quickly adapt their packaging portfolios to the changing market requirements and consumer habits while complying with global food contact requirements.

KEY CHARACTERISTICS

- Allows entry into new markets due to compliance
- Supports growth in new applications
- Ensures compliance of packaging portfolios
- Helps to streamline portfolios and reduce complexity
- Contributes to a positive image in the market by:
  - Responding to consumer preferences that have a positive impact on climate change
  - Driving transparency across the supply chain

AVIENT™

MARKETS & APPLICATIONS

- Flexible food packaging
- Polyolefins and biopolymers
- Lidding films, laminate films and bags

AVIENT CAN PROVIDE THE RESPECTIVE SOLUTIONS AS PART OF THE FOLLOWING PORTFOLIO:

Cesa™ Slip Additives
Cesa Slip lubricants improve the flow characteristics of plastics during processing. They also reduce the frictional resistance of end-product surfaces, enhancing both appearance and function.

Cesa™ No-fog Additives & OnCap™ Anti-fogging Additives
Minimizing the negative effect of condensation on the film surface is one of the key needs during the food packing process and on the shelf. Our anti-fog additives eliminate the problem by lowering the surface tension of water droplets, causing them to merge and form a continuous transparent layer to maintain clarity.

Cesa™ & OnCap™ Anti-blocking Additives
In order to prevent self-adhesion of plastic films or sheets, anti-blocking additives reduce the surface coefficient of friction by creating a slightly rougher or smoother surface. Avient's anti-blocking additives were designed in order to have a very limited effect on the optical properties of the film while providing very efficient anti-blocking even at low dosing levels.

Cesa™ Stat Additives & OnCap™ Anti-static Additives
Static charges that build up on the surface of plastic products can attract dust and dirt, cause sheets and film to cling, and cause stacked products to stick together. Avient's anti-static solutions help avoid these problems, while also improving processability and mold release.

Cesa™ Nox Additives
Cesa Nox antioxidant solutions help plastics maintain shine and transparency while preventing yellowing, surface cracking, and odors often caused by oxidation and heat aging. They can also help preserve critical mechanical properties such as impact resistance, elongation, and tensile strength.

1.844.4AVIENT
www.avient.com

AVIENT™