

Enhance Film Performance with Our Sustainable Solutions



COLORANTS & ADDITIVES FOR THE FLEXIBLE POLYOLEFIN FILM INDUSTRY

The flexible film industry is booming, driven by the growth of e-commerce and the increasing demand for convenience packaging. Sustainability is also a key driver, with a rising need for recyclable and bio-based films. While polyolefin polymers remain central to the film market, they present significant technical challenges in both production and end use, such as surface instability, static accumulation during high-speed unwinding, UV-induced breakage, poor opening, and issues with water condensation and microbial degradation in agricultural applications.

HOW AVIENT CAN HELP

- Enhance processing performance
- Provide technical expertise and formulation support to film manufacturers and packaging converters
- Assist converters and brand owners in transitioning from hard-to-recycle multi-material packaging to more sustainable, mono-material solutions

To learn more about our custom formulations and services, connect with us at avient.com.



FILM APPLICATION	PRODUCT	KEY CHARACTERISTICS
Food Packaging	Cesa™ Slip Additives Hiformer™ Liquid Additives for Polyolefins – Slip	Reduce film surface friction
	Cesa™ Anti-Block Additives Hiformer™ Liquid Additives for Polyolefins – Anti-Block	Enhance film-to-film separation for easy bag opening
	Cesa™ Anti-Block Slip LS	Support fast-formed seal requirement
	Cesa™ Nox Additives Cesa™ Nox A4R Additive for Enhanced Recycling Hiformer™ NOX™ A4R Liquid Antioxidant for Polyolefins	Lower cross-link gelation and black specks for maximum PIR content loading
	Cesa™ Anti-Fog Additives	Prevent film fogging in both cold and hot conditions
	Cesa™ Process Additives Hiformer™ Liquid Additives for Polyolefins – Polymer Process Aid Cesa™ Non-PFAS Process Aid for Extrusion Hiformer™ Non-PFAS Process Aid	Improve film stability and surface quality, reduce gel speck or black dots, minimize die buildup, and lower melt pressure to extend screen pack life
	Remafin™ Concentrates for Polyolefins (White & Colors)	Provide excellent colorant dispersion for superior aesthetics and crisp, high-quality printing
Agricultural Films	Cesa™ Light Additives	Provide UV protection to extend film life
	Cesa™ Nox Additives Cesa™ Nox A4R Additive for Enhanced Recycling Hiformer™ NOX™ A4R Liquid Antioxidant for Polyolefins	Prevent degradation during thermal processing and UV exposure
	Cesa™ WithStand™ Antimicrobial Additives	Prevent film deterioration from bacteria, fungi, and mold
	Cesa™ Anti-Fog Additives	Eliminate condensation to maintain transparency and prevent water drip and plant damage
	Cesa™ Stat Antistatic Additives	Reduce surface resistivity to prevent static buildup and dust attraction
	Cesa™ Process Additives Hiformer™ Liquid Additives for Polyolefins – Polymer Processing Aids Cesa™ Non-PFAS Process Aid for Extrusion Hiformer™ Non-PFAS Process Aid	Improve film stability and surface quality, reduce gel speck or black dots, minimize die buildup, and lower melt pressure to extend screen pack life
	Remafin™ Concentrates for Polyolefins (White & Colors)	Provide excellent colorant dispersion for superior aesthetics and crisp, high-quality printing

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Industrial Films	Cesa™ Stat Antistatic Additives	Reduce surface resistivity to prevent static buildup and dust attraction
	Cesa™ Slip Additives Hiformer™ Liquid Additives for Polyolefins – Slip	Reduce film surface friction for smooth handling
	Cesa™ Anti-Block Additives Hiformer™ Liquid Additives for Polyolefins – Anti-Block	Enhance film-to-film separation for easy bag opening
	Cesa™ Cor Additives	Protect metal from oxidation and corrosion volatile corrosion inhibitor (VCI)
	Hiformer™ Liquid Additives for Polyolefins – Tackifier	Increase film surface tackiness for excellent wrapping performance
	Cesa™ Process Additives Hiformer™ Liquid Additives for Polyolefins – Polymer Processing Aids Cesa™ Non-PFAS Process Aid for Extrusion Hiformer™ Non-PFAS Process Aid	Improve film stability and surface quality, reduce gel speck or black dots, minimize die buildup, and lower melt pressure to extend screen pack life
	Cesa™ Nox Additives Cesa™ Nox A4R Additive for Enhanced Recycling Hiformer™ NOX™ A4R Liquid Antioxidant for Polyolefins	Prevent degradation during thermal processing and UV exposure
	Remafin™ Concentrates for Polyolefins (White & Colors)	Provide excellent colorant dispersion for superior aesthetics and crisp, high-quality printing
Specialty Films	Hydrocerol™ Chemical Foaming Agents	Provide foamed-cell film technology
	Cesa™ Flame Retardant Additives	Provide flame-retardant formulation
	Cesa™ Fragrance Technologies	Create custom scents that enhance consumer appeal and brand experience

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