



POLYMER MODIFICATION CHOICE

Chase Plastics—Your Specialists in Additives & Color Concentrates

Optimize your process and enhance your molded part capabilities with polymer modifiers from Chase Plastics.

To help you meet evolving industry demands and still be cost-effective, Chase Plastics offers a number of stock color concentrates, custom color-match concentrates, and performance improvement additives. Our Additives Business Development Manager will guide you through the polymer modification selection process to enhance your part quality and processing efficiencies.



Sally Reising-Kempf
Additives Business
Development Manager

P 812-480-6343

E sreisingkempf@chaseplastics.com

Dedicated Polymer Modification Customer Support

- Coordination of Custom Color Matching - Resin Specific
- Universal Color Concentrate Selection
- Stock Color Selection
- Polymer Modification Expertise
- Additives Material Selection for Polymer Enhancement
- Cost Savings / Process Improvement Support
- Supply Chain Management of All Additive & Concentrate Needs
- World-Class Customer Service Specialists
- In-house Blending Capabilities
- Toll Compounding Capabilities
- Broad Product Selection of Additives & Concentrates for All Engineering, Specialty Engineering, and Commodity Thermoplastic Base Resins



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	Polymer Modification Type	Benefits
Additives	Absorbers	Integrated oxygen barrier increases protection of packaged goods.
	Anti-blocking Agents	Modifies the surface to prevent self-adhesion in plastic films or sheet.
	Anti-Fogging Agents	Maintains the clarity of the film by forming a continuous layer of moisture.
	Anti-Microbial	Prevents the growth of bacteria, fungi, and algae that cause product deterioration, discoloration, and odors.
	Anti-Oxidants	Prevents oxidation and heat aging that leads to degrading of appearance and performance.
	Anti-Slip Agents	Coarse, but not abrasive, particles that create a rough, sandpaper-like surface.
	Anti-Stats	Eliminates static charges than can attract dust and dirt and cause products to stick together.
	Barrier Resistance	Increases moisture and oxygen barrier resistance in blow-molded Polyethylene products.
	Chain Extenders	Increases molecular weight allowing for regrind optimization and improved melt strength.
	Chemical Foaming Agents	Sink mark removal, warp control, and weight reduction.
	Clarifying Agents	Haze reduction and optical transmittance improvement in Polypropylene.
	Cleaning/Purging Agents	Screw and barrel cleaning agents for seamless transition between materials and colors.
	Compatibilizers	Compatibilizes materials to allow their chemistries to form a homogeneous structure.
	Corrosion Protection	Used in plastic packaging to protect ferrous and most non-ferrous metal products from the effects of corrosion.
	Flame Retardants	Delays the spread of fire and toxic by-products.
	Impact Modification	Improves toughness and impact strength for Olefins, Styrenics, and Engineered Thermoplastics.
	IR Absorbers	Blocks certain wavelengths in the IR spectrum for use in agricultural plastic films.
	Laser Marking Additives	Allows for marking by laser radiation in different colors in addition to traditional gray tones.
	Light Diffusion Additives	Scatters backlit light without absorbing the light, allowing more light to be transmitted.
	Matting Agents	Modifies surface properties to reduce gloss and develop a matte finish.
	Nucleating Agents	Reduces cycle time and modifies the size and uniformity of crystals resulting in improved mechanical properties.
	Opacifiers	Imparts whiteness and opacity to plastic products enhancing their light diffusion appearance.
	Optical Brighteners	Improves the surface whiteness and imparts a bluish undertone to overcome the polymer's slightly yellow cast.
Oxo-Biodegradable Additives	Accelerates the degradation and bio-degradation of plastic products.	
Processing Aids	Reduces friction between the melt and the metal allowing difficult-to-process polymers to extrude more easily.	
PTFE Micronized Powders	Offers wear reduction and lower coefficient of friction. Improves mar resistance, non-stick, processing aid and mold release.	
Slip Agents	Reduces pressures and coefficient of friction. Improves scratch resistance, surface feel, and mold release.	
UV/Light Stabilizers	Protects plastic products from Ultraviolet Light to help maintain mechanical, optical, and physical properties.	
Color Concentrates	Color/Additive Combinations	Combines color concentrates and additives (such as UV stabilizers) in a single pellet solution.
	Dry Color Concentrates	Powder pigments.
	Highly Loaded Concentrates	Highly pigmented concentrates that minimize let-down ratios and base resin carriers.
	Liquid Color Concentrates	Liquid color for superior dispersion in high-volume molds.
	Resin-Specific Stock Colorants	Standard color concentrates for specific resins and/or markets or regulatory approvals.
	Special Effects Colorants	Creates different effects, including but not limited to, pearl, phosphorescent, photochromic and marble.
	Universal/Stock Colorants	Allows for both compatibility across a variety of base resins and minimum order quantities as low as 10 lbs.

6467 Waldon Center Drive, Clarkston, MI 48346
248.620.2120 | orders 800.232.4273 | fax 248.620.3192

ChasePlastics.com