

# Real solutions. Real polymer modification choice.

## Your specialists in additives & color concentrates

Optimize your process and enhance your molded part capabilities with polymer modifiers designed for commodity, engineering and specialty base resins from Chase Plastics.

Our world-class customer service specialists will help you meet evolving industry demands and still be cost-effective with a number of stock color concentrates, custom color-match concentrates and performance improvement additives.



MITSUI PLASTICS, INC.



## Dedicated polymer modification customer support

- ▶ Coordination of resin-specific custom color matching
- ▶ Universal color concentrate selection
- ▶ Additives material selection for polymer enhancement, cost savings and process improvement
- ▶ Supply chain management of stocked and available additives and concentrates
- ▶ In-house blending and toll compounding capabilities

## Guiding your success

Our Additives Business Development Manager will guide you through the polymer modification selection process to enhance your part quality and processing efficiencies.



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# Polymer modification choice

Polymer Modification Type	Benefits
<b>ADDITIVES</b>	
Anti-Microbial	Deters the growth of bacteria, fungi and algae that cause product deterioration, discoloration and odors.
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.
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.
Flame Retardants	Delays the spread of fire and toxic by-products.
Impact Modification	Improves toughness and impact strength for olefins, styrenics and engineered thermoplastics.
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.
Nucleating Agents	Reduces cycle time and modifies the size and uniformity of crystals resulting in improved mechanical properties.
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.
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.
<b>COLOR CONCENTRATES</b>	
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, pearlescent, 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.

## Other additives we offer, but are not limited to...

- ▶ Anti-Blocking Agents
- ▶ Anti-Fogging Agents
- ▶ Anti-Oxidants
- ▶ Barrier Resistance
- ▶ Chain Extenders
- ▶ Corrosion Protection
- ▶ IR Absorbers
- ▶ Opacifiers



Any recommendation by Chase Plastics' personnel for the use of any material is based on tests or experience believed to be reliable. However, since the final processing and use of the product are beyond our control, we make no warranty as to such use or effects incidental to such use, handling or sale. © January 2021, Chase Plastic Services, Inc.

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