



COLOR.
INNOVATION.
SUSTAINABILITY.

SIGMA SPECIALTY PLASTICS GROUP



Scan the QR code to connect with us today!



Masterbatches

Masterbatches for plastics are dispersed in specific resins and extruded into pellets. Resin systems can be colored, modified, alloyed, and filled. Our equipment will handle both commodity resins as well as a wide variety of tough to process resins

Adaptable Processing

Our equipment handles both common and challenging resins, showcasing adaptability.

Efficient dispersion

State-of-the-art equipment ensures the efficient dispersion of masterbatches for high-quality pellets.

Precision Modifications

Customizable resin systems allow for precise coloration, modification, and enhancement.

Quality Assurance

Rigorous testing guarantees consistency and adherence to industry standards.

Trusted Performance

Our masterbatch products have a proven track record of reliability in plastics applications.

Customer Centric

We prioritize understanding customer needs and delivering tailored solutions for enhanced product performance.

Solid Masterbatch Benefits

1. Easiest of all forms of colorant to handle
2. Better dispersion results
3. Better color economy
4. Better additive consistency
5. Extremely fine dispersions (for film, fiber, bottles) can be achieved
6. "Single package" combinations of colorants, additives, and modifiers are possible



Liquid Color

Why Choose Liquid Color?

- **Less Handling:** Streamlines operations with minimal manual intervention.
- **Higher Loadings:** Permits increased concentrations for better effectiveness.
- **Lower Usage Rates:** Enhances cost efficiency through reduced material consumption.
- **Shorter Lead Times:** Accelerates production for quicker delivery.
- **Lower Inventory Costs:** Reduces expenses in inventory management.
- **Lower Acquisition Cost:** Decreases initial costs for obtaining the additive.
- **Reduced Inventory Space:** Requires less storage space.
- **Lower Blending Equipment Costs:** Reduces expenses for blending equipment.
- **Rapid Color Changes:** Facilitates quick and efficient color changes.
- **Flexible Formulation:** Adaptable for various additives.
- **Less Heat Histories:** Preserves material integrity by avoiding heat histories.
- **Lower Minimum Order Quantity(MOQ):** Provides flexibility with smaller minimum orders.
- **Carrier as a Plasticizer:** Reduces feed times and pressures.
- **Even Color Distribution:** Maintains uniformity throughout the production run.

ECO PURE COLORANTS



Eco Reclaim - Colorants



Eco Pure Liquids



Eco Compos Color



Eco Bio Colors - For PCR



Our Eco Pure colorants are a step towards a more sustainable future, as they help reduce the environmental impact of the production of consumer goods and protect human health.

VORTEX
LIQUID COLOR



Plastic Compounding Solutions



The team at Poly Compounding provides compounding solutions for highly engineered thermoplastics. We have decades of experience compounding on Twin Screw Extruders and Kneaders and will develop processes tailored specifically to your materials.

Competencies

Foaming Agents & Liquid Injection

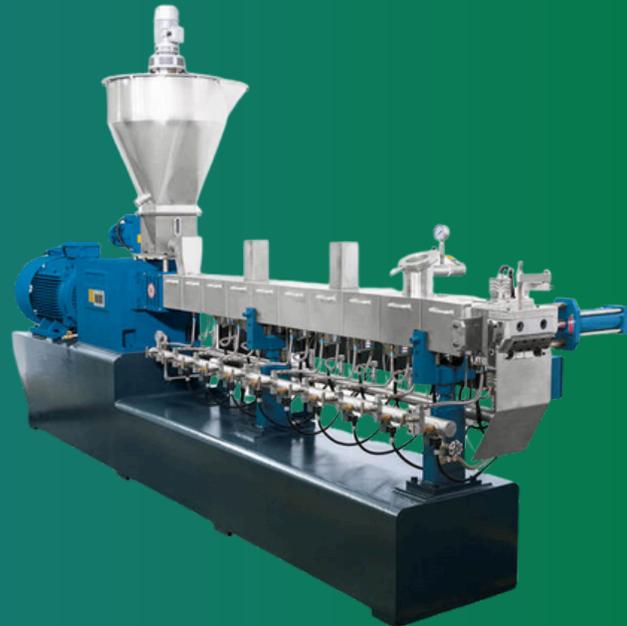
Reactive Processes & Specialty Applications

Highly Filled Systems & High Specific Gravity Compounds

Temperature & Shear Sensitive Resins and Additives

Additive/ Stabilizer Masterbatches

Reinforced Plastics & Flame Retardants



Performance Enhancing Additives

Performance-enhancing additives can be added as dry additives, pellet masterbatch, or liquid masterbatch.

Enhanced Performance

- Antistatic
- ESD
- Conductive
- NIR
- Mold Release
- Slip
- Laser Weld



Heightened Effect

- Anti-Fog
- Anti-Block
- Conductive
- Clarifying/Nucleating
- Laser
- Glow in the Dark
- Blow/Foaming Agents

Added Safeguard

- Antimicrobial
- Flame Retardant
- Antioxidant
- UV Stabilizers
- Odor Eliminator
- VCI
- Laser





SIGMA
Specialty Plastics Group

Engineered for performance.
Designed for the planet.

VORTEX
LIQUID COLOR

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to connect with us
today!

