

# LIQUID COLOR CONCENTRATE (LCC)



**Ready-to-use pigment/dye dispersion in a liquid carrier, ensuring excellent dispersion with no agglomeration or dust**

## KEY HIGHLIGHTS

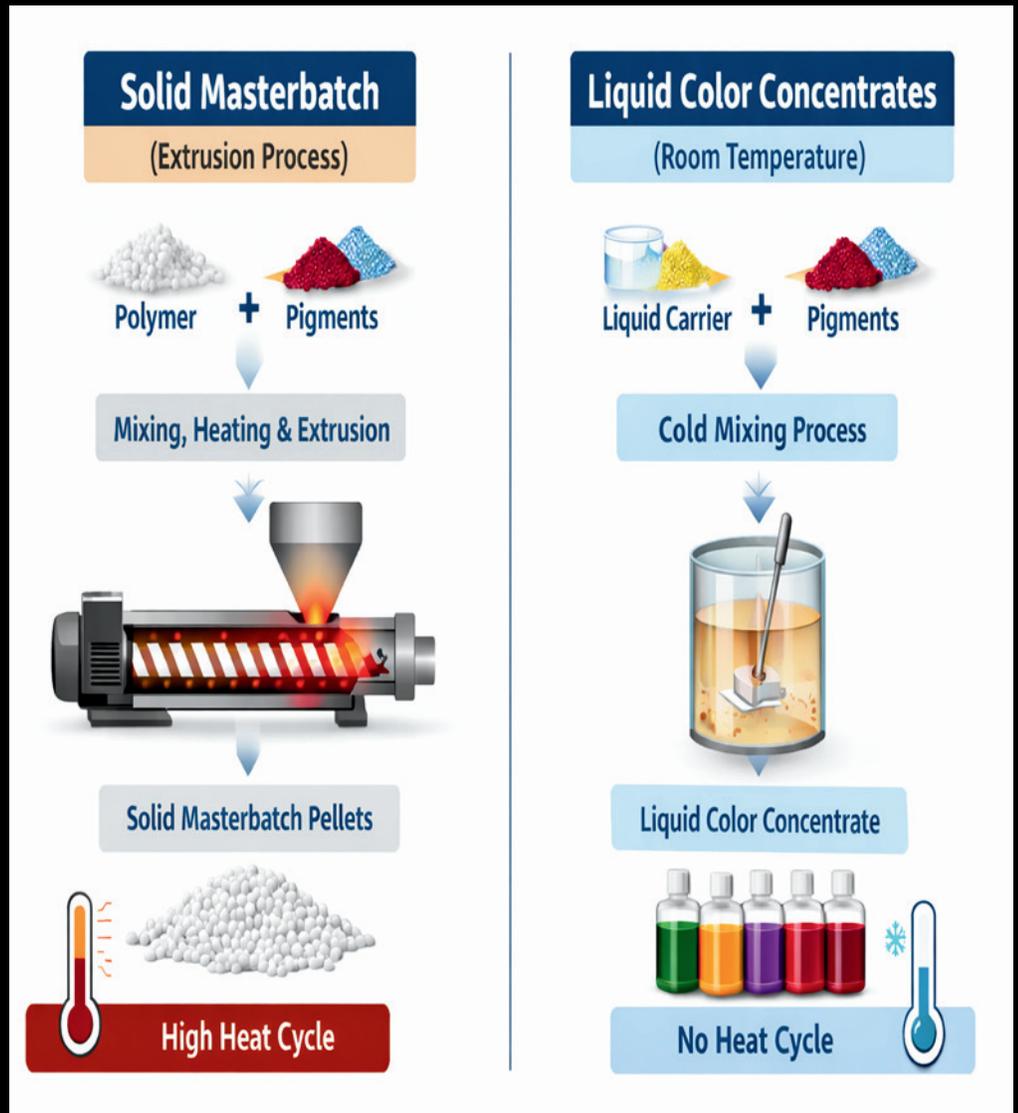
- Faster color development with long-term stability
- High-precision, clean dosing performance
- Optimized inventory with minimal waste generation
- Seamless and rapid color changeovers

## BENEFITS OF LIQUID COLOR CONCENTRATE (LCC)

- Additional and flexible method for colouring polymers across Injection, Extrusion, Blow Molding, and Compounding
- With customer approval, LCC may be used only for trial and color shade approval to meet urgent timelines; final commercial supply will be in liquid or solid form as per customer requirement.
- Enables small batch production, ensuring fast, accurate color matching and quick execution of low-quantity orders.
- Can be processed using existing mixing equipment such as HSM, blenders, dosing pumps, or manual mixing
- Customizable formulations available for heat stability, food contact, anti-scratch, and specialty applications
- Polymer-free system, enabling use across multiple polymers without affecting melt flow or rheology
- Very low dosage / fractional % possible for light shades and transparent tinting applications
- Universal or less numbers Carrier system
- Lower overall cost due to reduced dosage, faster changeover, and minimal material wastage

## LESS HEAT HISTORY

- Traditional solid color masterbatches are manufactured through an extrusion process, which involves intensive mixing, heating, and melting of polymer and colorants to form solid pellets.
- LCC, in contrast, is manufactured at room temperature and does not require any heating during concentrate preparation.
- This results in one less heat cycle compared to solid masterbatches.
- Reduced heat history helps preserve pigment integrity and color strength, improves surface properties, gloss, and appearance of the final molded product.



## GET IN TOUCH



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