



THE COLOR OF THE PLASTICS INDUSTRY IS CHANGING

CTI invented new chemistry for the masterbatch (plastics) industry, called **Power Capsules™** technology, which is the gold-standard for thermochromic and photochromic color-change.

CTI Power Capsules™ Value Proposition:

- More color per capsule
- Faster temperature change
- Qualified for food contact
- Industry leader in fluorescent and UV light stability
- Best value per pound of color
- U.S.-based technical support and manufacturing

Applications:

- PET (PETE), polyethylene terephthalate.
- HDPE, high-density polyethylene.
- PVC, polyvinyl chloride.
- LDPE, low-density polyethylene.
- PP, polypropylene.
- PS, polystyrene
- HIPS, high impact polystyrene

From Top to bottom : Blue thermochromic masterbatch cold state and then warm state. Purple to pink thermochromic warm state and then cold state.



CONTACT US FOR A TRIAL!

www.ctiinks.com | inquire@ctiinks.com | phone: 719.592.1557 | 1096 Elkton Dr. Suite 600 Colorado Springs, CO 80907



TECHNICAL INFO

STANDARD COLORS AND TEMPERATURES

- Custom temperatures available
- Achieve a variety of colors using our CMYK and blue color formulas.

REGULATORY INFO TO INCLUDE:

- a. Comply with the RoHS directives regarding the restriction of the use of certain hazardous substances.
- b. Comply with CONEG and EN 71-3 regulations regarding heavy metals, including lead.
- c. Comply with the Dodd-Frank Conflict Mineral legislation.
- d. Comply with transmissible spongiform encephalopathy (TSE) requirements including related prion diseases such as bovine spongiform encephalopathy (BSE).
- e. Comply with the California Proposition 65 legislation.
- f. Are manufactured without the use of BPA, ITX, or benzophenone.
- g. Are manufactured in a facility that does not use FDA allergens or derivatives (fish, eggs, milk, peanuts, soy, wheat, crustaceans, or tree nuts).
- h. Are manufactured without EU REACH Substances of Very High Concern (SVHC).
- i. Are manufactured from materials that are not expected to contain genetically modified organisms.
- j. Are not produced from materials, additives, or processing aids that meet the definition of a nanoparticle or nanomaterial.

CTI TECHNOLOGY CAN BE EXTENDED TO ALL PACKAGING FORMATS

(plastic, paper, metal, shrink film, cardboard)

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COLD-ACTIVATED PLASTICS



HEAT-ACTIVATED PLASTICS



SUNLIGHT-ACTIVATED PLASTICS

