

chameleon®

Thermochromic Masterbatch

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Specialist Colour Change
Technology



Applications include:

- ◆ **Safety/Warning:**
Feeding Bottles, Bath Plugs
Baby Feeding Spoons,
Medical Containers
- ◆ **Food/Drinks Packaging:**
Containers/Lids
- ◆ **Spoons: Ice Cream/Coffee/Tea**
- ◆ **Drink Stirrers: Hot/Cold**
- ◆ **Straws**
- ◆ **Bowls/Plates, Cups/Beakers**
- ◆ **Bath Toys/Childrens' Toys**
- ◆ **In pack promotions**

Chameleon® Thermochromic Masterbatch is temperature sensitive and changes colour as its temperature changes.

Our masterbatch can be added to standard plastics for injection moulding and extrusion, to create vivid colour changes activated by changes in temperature. It is universally suitable for polypropylene, polyethylene, polystyrene, ABS, and pvc and can be dosed in at between 3% to 10% according to a product's thickness and required colour intensity.

Activation temperatures range from -10°C to 65°C with a wide variety of colours available from translucent to a colour, or colour to colour such as green to yellow, purple to pink, red to yellow, blue to white, brown to yellow.

There are two variants:

1. As the temperature increases (with heat) *the colour becomes lighter*, reversing back to its original colour upon temperature reduction.
2. As the temperature decreases (with cold) *the colour becomes darker*, reversing back to its original colour upon temperature increase.

We are able to supply many colours and temperatures which can be formulated to your desired requirement

BPA Free, Phthalate Free, moulded products have been EN71-3 approved.

Colour references are approximate, and will be influenced by plastic thickness, addition rate, and type and clarity of plastic used.