

Technical Data Sheet

CP Series



Bright ▪ Brilliant ▪ Beautiful

A formaldehyde-free, economical high-value performance, fluorescent colorants based on copolymer technology. Recommended for masterbatch manufacture and general purpose plastic use.

Customer Benefits – Made possible by Flamingo CP Series

- **Economical high-value performance:** New proprietary copolymer based technology.
- **Easy to disperse at low temperatures starting from 160°C:** Low temperature melting property of colorant.
- **Faster processing and clean up:** Excellent dispersion and flow along with minimal or no plate out to ensure ease of processing and color change overs.
- **Better Thermal Stability:** Wide processing range from 160°C to 280°C with minimal color change, including DIN EN 12877-2 standard compliance up to 260°C.
- **Brighter shades with enhanced color consistency:** New proprietary chemistry to deliver consistent bright-brilliant-beautiful colors.

Applications – Processes

Suitable	Limited Suitability
Masterbatch	Liquid Colorants
Mouldings & Extrusions	Vinyl Plastics
Blow Mouldings	Vinyl Calendered Film
	Powder Coatings

Applications – Polymers

Suitable	Limited Suitability
LDPE	LLDPE
HDPE	ABS
PP	Polycarbonate
GPPS	Acetal
HIPS	EVA & Rubber
Acrylic	Nylon 6
	Cellulose Acetate

Available Colors

Color	Product Code
Yellow	CP-11
Green	CP-12
Chrome	CP-13
Orange	CP-14
Red Orange	CP-15
Red	CP-16
Pink	CP-17
Magenta	CP-18
Violet	CP-19
Blue	CP-20

Typical Pigment Characteristics

Properties	Values
Average Particle size	4-6 μ
Melting Point	120°C -130°C
Decomposition Point**	280°C
Min. Processing Temp	160°C
Maximum recommended Processing temperature (For short dwell times)	270°C

Chemical Nature	Formaldehyde free thermoplastic polyamide/polyester resin
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** - maximum temp. at which fluorescence is maintained.
Color degradation is time/temperature dependent

CP Pigments are a solid solution of Hybrid co polymer resin with fluorescent dyes. Minimum processing temperature to ensure complete colour development is 160°C

Regulatory Compliance

- REACH
- TSCA
- AP 89(1)
- RoHS
- ASTM D-4236
- EN71 -3,2013

Other Information

CP fluorescent series are much brighter than conventional non-fluorescent colors.

Opacity can be improved, if necessary, by small additions of rutile titanium dioxide. The fluorescent color will become more pastel as the quantity of titanium dioxide is increased.

CP series offers limited light fastness on exterior exposure. To enhance lightfastness, optimal pigment loading & UV stabilizers could be used.

To obtain maximum colour and brightness it is important to use sufficient pigment. The quantity used will depend upon the thickness of the plastic product.

Shelf Life & Storage Conditions:

- Store at dry and closed conditions.
- Keep away from source of ignition/sunlight.
- Avoid moisture and raising dust.

Safety:

Please refer to our Material Safety Data Sheet.

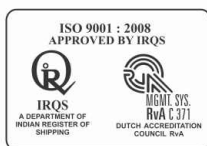
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