

Technical Data Sheet

PC

General Description

- Daylight and ultra-violet responsive fluorescent pigments for solvent based formulations.
- A dyed/pigmented thermoset sulphonamide-melamine-paraformaldehyde resin.

Applications

- Gravure- and screen inks, PVC & PU coatings, aerosols, solvent based paints.

Product Features

- For solvent based formulations, PC has:
 - the highest color strength.
 - the strongest fluorescent red: PC-25.
- Due to the high color strength and the fine particle size, PC is recommended for gravure and screen printing inks.
- For aqueous formulations, the use of preservatives is recommended. The right preservative package (combination of bactericides and fungicides) should provide reliable, highly effective control of microorganisms in the intended formulation.
- RAL6038 (Luminous green) can be counter typed with PC-21.
- Limited lightfastness in exterior exposure due to the chemical structure of fluorescent pigments.

Physical properties

Delivery form	Powder
Particle size (Laser diffraction)	$\pm 3.0 \mu\text{m}$
Hegman grind	5.5 – 6.5
Melting point	Thermoset
Decomposition temp.	>300°C
Specific gravity	1.38 – 1.40 g/ml
Bulking value	0.25 g/ml
Oil absorption	56

Test methods and Certificate of Analysis (COA) available on request.

Standard Colors

Product Name	Description
PC-30	Chartreuse
PC-21	Green
PC-23	Orange
PC-24	Orange Red
PC-25	Red
PC-27	Pink
PC-18	Magenta
PC-88	Purple
PC-29	Blue

Packaging:

1 box = 20kg (2x10kg)
1 boxpallet = 250kg (25x10kg)
MOQ = 20kg

Storage & shelf life:

120 months when kept in closed original packaging in a dry place at ambient temperature.

Safety & regulatory:

Safety Data Sheet available on request.

Processing

Heat stability	In PVC calendering: 30 minutes @ 170°C
Solvent resistance	Recommended use in water, aliphatic- and aromatic hydrocarbons, alcohols, esters, glycols, plasticizers.
Pigments are insoluble and need to be dispersed (easily stir-in).	

PC pigments are designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

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