

# 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 countertyped with PC-21.
- Limited lightfastness in exterior exposure due to the chemical structure of fluorescent pigments.

### Standard Colors

Product Name	Description
PC-30	Chartreuse
PC-21	Green
PC-12	Orange Yellow
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.

Physical properties	
Delivery form	Powder
Particle size (Laser diffraction)	± 3.0 µm
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

(1) Test methods and Certificate of Analysis (COA) 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).	

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