

# 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.

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

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).	

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

Disclaimer: Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product.

### 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.