

# Technical Data Sheet

## PS

### General Description

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

### Applications

- Calendered PVC foils, PVC & PU coatings, solvent based paints, screen - and gravure inks, aerosols.

### Product Features

- For solvent based formulations, PS has:
  - a *relatively* good lightfastness due to an incorporated UV stabilizer.
  - a high reflection what results in bright fluorescent colors.
  - a greenish and reddish Chartreuse.
- PC-88 Purple can complete your color portfolio.
- 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.
- Limited lightfastness in exterior exposure due to the chemical structure of fluorescent pigments.

Physical properties	
Delivery form	Powder
Particle size (Laser diffraction)	± 5.0 µm
Hegman grind	5.0 - 6.0
Melting point	Thermoset
Decomposition temp.	>300°C
Specific gravity	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
PS-30	Chartreuse (reddish shade)
PS-40	Chartreuse (greenish shade)
PS-41	Green
PS-42	Orange Yellow
PS-43	Orange
PS-44	Orange Red
PS-45	Red
PS-46	Cerise
PS-47	Pink
PS-48	Magenta
PS-49	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).	

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

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