

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

(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).	

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.

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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.