

Technical Data Sheet

P-09
General Description

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

Applications

- UV Blue tracer for calendered PVC foils, PVC & PU coatings, solvent based paints, screen - and gravure inks, aerosols.

Product Features

- P-09 is relatively invisible in normal daylight, but produces a highly visible bright and vibrant blue color upon exposure to ultra-violet or "black" light.
- Popular for security and tracing applications like counterfeit protection, product identification and process automation.
- 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.

Standard Color

Product Name	Description
P-09	UV Blue

Packaging:

1 box = 20kg (2x10kg)
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)	± 5.0 µm
Hegman grind	5.0 - 6.0
Melting point	Thermoset, non-melting
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.

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).	
Adding P-09 (UV Blue) will purify the color and will increase the UV-response.	

P-09 pigment is designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

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