

# Technical Data Sheet

## C-09

### General Description

- Ultra-violet responsive fluorescent pigments for water and nonpolar solvent based formulations.
- A dyed/pigmented thermoplastic sulphonamide-melamine-paraformaldehyde resin.

### Applications

- UV Blue tracer for aqueous paper coating, water and non-polar solvent based paints and textile printing inks.

### Product Features

- C-09 is relatively invisible in normal daylight, but produces a highly visible 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
C-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)	± 3.0 µm
Hegman grind	5.0 - 6.0
Melting point	110 – 130°C
Decomposition temp.	>300°C
Specific gravity	1.35 – 1.40 g/ml
Bulking value	0.25 g/ml
Oil absorption	60

Test methods and Certificate of Analysis (COA) available on request.

### Processing

Heat stability	Limited
Solvent resistance	Recommended use in water, aliphatic- and some aromatic hydro carbons.

Pigments are insoluble and need to be dispersed (easily stir-in).

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

C-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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