

Radglo® P-09

General information

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.

Standard colors:

Product name	Description
P-09	UV Blue

Packaging:

1 box = 20kg (2x10kg)
MOQ = 20kg

Product features

- Radglo® 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.

Technical information⁽¹⁾

Physical properties

Delivery form	Powder
Average particle size	± 5.0 µm
Hegman grind	5.0 - 6.0
Melting point	Thermoset, non-melting
Decomposition T°	>300°C
Specific gravity	1.40 g/ml
Bulking value	0.25 g/ml
Oil absorption	56

Storage & shelf life:

120 months when kept in closed original packaging in a dry place at ambient temperature.

Processing

Heat stability	In PVC calendering: 30 minutes @ 170°C
Solvent resistance	Recommended use in water, aliphatic- and aromatic hydro carbons, alcohols, esters, glycols, plasticizers.
Pigments are insoluble and need to be dispersed (easily stir-in).	
Adding Radglo® P-09 (UV Blue) will purify the color and will increase the UV-response.	

Safety & regulatory:

REACH compliant.
Safety Data Sheet and Regulatory Status (RS) available on request.

⁽¹⁾Test methods and Certificate of Analysis (COA) available on request.

Do you need more technical & commercial information? Please consult **Product Promotion Sheet**.