

Technical Data Sheet

GM

General Description

- Daylight and ultra-violet responsive fluorescent pigments for paint and ink applications based on strong solvents and PVC.
- A dyed/pigmented thermoset modified benzoguanamine-formaldehyde copolymer.

Applications

- Solvent based paints and inks, PVC plastisols and organosols, calendered PVC, extruded and injection moulded polyolefins, mass coloration of rubber.

Product Features

- Fine microsphere thermoset pigments ensures easy dispersion.
- Resistant to and insoluble in most common solvents including ketones, esters and alcohols.
- Low (or even no) migration in PVC.
- Resistant to plate-out in plastics applications.
- 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 the fluorescent pigments.

Standard Colors

Product Name	Description
GM-20	Chartreuse
GM-21	Green
GM-22	Orange Yellow
GM-23	Orange
GM-24	Orange Red
GM-25	Red
GM-27	Pink
GM-28	Magenta
GM-29	Blue
GM-88	Purple

Packaging:

1 box = 20kg

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)	$\pm 3.0 \mu\text{m}$
Hegman grind	5.0 – 7.0
pH of dye solution	4.5 -7.0 (5% aq. Slurry)
Decomposition temp.	>220°C
Specific gravity	1.30 g/ml

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

Processing

Heat stability	220°C
Solvent resistance	Resistant to and insoluble in most common solvents including ketones, esters and alcohols.

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

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

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Rev:1.3

04-Jul-25