

# 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.

Physical properties	
Delivery form	Powder
Particle size (Laser diffraction)	± 3.0 µm
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
Moisture Analysis	<4%

(1)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).	

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.