

Technical Data Sheet

GRT

General Description

- Daylight and ultra-violet responsive fluorescent pigments free of formaldehyde for flexible PVC and solvent based formulations.
- A dyed/pigmented thermoset polyester amide copolymer.

Applications

- Flexible PVC, solvent based paints, gravure inks.

Product Features

- Free of formaldehyde.
- No migration in PVC.
- No basic Rhodamines.
- Low bleeding in most solvents.
- For aqueous formulations, the use of preservatives is highly 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
GRT-20	Chartreuse
GRT-21	Green
GRT-23	Orange
GRT-25	Red
GRT-27	Pink
GRT-28	Magenta
GRT-29	Blue

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)	± 3.0 µm
Hegman grind	5.5 – 6.5
Melting point	205 – 240°C
Decomposition temp.	>300°C
Glass transition temp.	182 – 212°C
Specific gravity	1.18 g/ml
Bulking value	0.3 g/ml

(1) 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, esters, ketones, aromatic solvents, isopropanol. Can't be used in alcohols.
Pigments are insoluble and need to be dispersed (easily stir-in).	

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