

GRT

General information

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.

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

Product features and benefits

- 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.

Packaging:

1 box = 20kg (1x20kg)
MOQ = 20kg

Technical information⁽¹⁾

Physical properties	
Delivery form	Powder
Average particle size	± 3 µm
Hegman grind	5.5 - 6.5
Melting point	205 - 240°C
Decomposition temp.	>300°C
Glass transition temperature	182 - 212°C
Specific gravity	1,18 g/ml
Bulking value	0,3 g/ml

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.

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).	

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

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