

# Technical Data Sheet

## RTS Series

### 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
RTS001	Astral Pink
RTS003	Laser Red
RTS004	Flame Orange
RTS005	Blaze
RTS006	Arc Chrome
RTS008	Stellar Green
RTS021	Strong Magenta
RTS027	Lunar Yellow
RTS045N	Violet
RTS060	Comet 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	5.0 – 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).	

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