

# Technical Data Sheet

## GWT

### General Description

- Daylight and ultra-violet responsive fluorescent pigments free of formaldehyde for water based formulations.
- A dyed/pigmented thermoplastic polyester amide copolymer.

### Applications

- Water based formulations: paints, paper- and textile inks.

### Product Features

- Free of formaldehyde.
- Good stability in water based formulations.
- Solvent resistance needs to be checked in individual formulations.
- Also available in a 50% water dispersion: WT.
- 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 applications due to the chemical structure of fluorescent pigments.

### Physical properties

Delivery form	Powder
Particle size (Laser diffraction)	± 4.0 µm
Hegman grind	5.0 – 6.0
Melting point	130 – 160°C
Decomposition temp.	>300°C
Specific gravity	1.20 g/ml
Bulking value	0.3 – 0.4 g/ml

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

### Standard Colors

Product Name	Description
GWT-10	Chartreuse
GWT-11	Green
GWT-13	Orange
GWT-14	Orange Red
GWT-15	Red
GWT-17	Pink
GWT-18	Magenta
GWT-19	Blue
GWT-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.

### Processing

Heat stability	Limited.
Solvent resistance	Recommended use in water. For other solvents, please check in advance.
Pigments are insoluble and need to be dispersed (easily stir-in).	

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

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