

# Technical Data Sheet

## JST

### General Description

- Daylight and ultra-violet responsive fluorescent pigments for water- and non-polar solvent based formulations.
- A dyed/pigmented thermoplastic sulphonamide-melamine-paraformaldehyde resin.

### Applications

- Aqueous paper coating, water and non-polar solvent based paints, textile printing inks (screen, flexo and gravure).

### Product Features

- For water and nonpolar based formulations, JST has the highest color strength.
- Also available in a 50% water dispersion: WR.
- PC-88 Purple and PC-29 Blue can complete your color portfolio.
- 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	5.5 – 6.5
Melting point	135 – 165 °C
Decomposition temp.	>300 °C
Specific gravity	1.38 – 1.40 g/ml
Bulking value	0.25 g/ml
Oil absorption	60

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

Processing	
Heat stability	Limited
Solvent resistance	Recommended use in water, aliphatic and some aromatic hydrocarbons.
Pigments are insoluble and need to be dispersed (easily stir-in).	

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

Disclaimer: Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product.

Standard Colors	
Product Name	Description
JST-10	Chartreuse
JST-11	Green
JST-12	Orange Yellow
JST-43	Orange
JST-44	Orange Red
JST-15	Red
JST-16	Cerise
JST-17	Pink
JST-18	Magenta

### Packaging:

1 box = 20kg (2x10kg)

1 boxpallet = 250kg (25x10kg)

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.