

# Technical Data Sheet

## HSP Series

### 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 need to be checked.
- Also available in a 50% water dispersion.
- 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.

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

(1) Test methods and Certificate of Analysis (COA) 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).	

Standard Colors	
Product Name	Description
HSP001	Astral Pink
HSP003	Laser Red
HSP004	Flame Orange
HSP005	Blaze
HSP008	Stellar Green
HSP010	Magenta
HSP021	Strong Magenta
HSP027	Lunar Yellow
HSP060	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.