



# Shanghai King Chemical Co.,Ltd

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## TECHNICAL DATA SHEET

### Introduction:

HA is a general purpose series of fluorescent pigments, with finer particle size than HX Series, designed for applications where resistance to strong solvents is not needed. It is suitable in water-based systems where prolonged shelf-life is not required. It has strong color strength and excellent brightness.

### Features and benefits:

- Excellent brightness and color strength.
- Good dispersion can be achieved.
- Heavy metals comply with EN 71-3 requirements for toys; RoHS compliant

### Applications:

- Water-based textile coatings, paper coatings; printing inks
- Color clay
- Low temperature injection molded plastics

### Available Colors:

HA-10	Lemon Yellow
HA-11	Pink
HA-12	Cerise
HA-13	Red
HA-14	Red orange
HA-15	Orange
HA-16	Orange yellow
HA-17	Yellow
HA-18	Green
HA-19	Blue
HA-20	Violet
HA-21	Magenta

### Physical & Chemical Properties:

HA pigment is a dyed/pigmented melamine toluene-sulfonamide formaldehyde thermoplastic copolymer.

Average Particle Size  $\leq 10\mu\text{m}$

Softening Point	$> 105^{\circ}\text{C}$
Oil Absorption	65g oil/100g pigments
Full shade(compared with the standard)	similar
Color strength(compared with the standard)	100 $\pm$ 5%

### Lightfastness:

Fluorescent pigments are stable to indoor light or outdoor conditions without direct sunlight. By exposure to outdoor sunlight the color will change, whereby the degree of fading is depending on following factors:

- Color of the pigment
- Type of polymer carrier
- Intensity of the incident sunlight.
- Pigment loading and thickness of the end product. The higher the pigment concentration is, the better the lightfastness is.

**The lightfastness may be improved by including UV-absorber(s) in the formulation and/or by making use of clear overcoats containing UV-absorber(s).**

### Storage:

HA fluorescent pigments are delivered in cartons with PE lining, net weight 25kg. It should be kept in cool place and away from heat. All opened bags should be carefully resealed immediately after use.

### Toxicity:

HA fluorescent pigments are essentially non-toxic and non-hazardous with extremely low heavy-metal content. Safety data sheet (SDS) is available upon request.