HX Series Fluorescent Pigments

HX Series is a most widely used fluorescent pigment designed with strongest color strength, best fluorescence and easily dispersed for injection molded plastics where processing temperature is below 195℃.

Applications:

■ Injection molded plastics(PP/PE/PVC) below 195℃,
■ Clay coloring

Available Colors:

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

Physical & Chemical Properties:

Average Particle Size	≤15μm	Full shade (compared with the standard)	similar
Softening Point	≥105℃	Color strength (compared with the standard)	100±5%
Processing Temperature	≤195℃		
Oil Absorption	65g oil/100g pigments		

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HA Series Fluorescent Pigments

HA is a general purpose series of fluorescent pigments with finer particle size 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.

Applications:

- Water-based textile printings,
- Water-based paper coatings
- Clay coloration
- Low temperature injection molded plastics

Available Colors:

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

Physical & Chemical Properties:

Average Particle Size	≤10μm
Softening Point	≥105℃
Oil Absorption	65g oil/100g pigments

Full shade (compared with standard)	similar
Color strength (compared with standard)	100±5%

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HK Series Fluorescent Pigments

HK Series is formaldehyde free fluorescent pigment for plastics of low temperature processing, low plate-out and cost effective. HK Series is easily melt in the coloring of various plastics with excellent performance in pigmentation, equality, brightness and vividness.

Applications:

- Injection, blow molded plastics coloration
- Masterbatch
- Fiber forming

Available Colors:

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

Technical Properties:

Average Particle Size	≤100μm
Softening Point	＞80℃
Application Temperature	135~220℃
Full shade (compared with the standard)	similar
Color strength (compared with the standard)	100±5%

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HZ Series Fluorescent Pigments

HZ pigments have excellent brightness, good heat stability and less plate-out. They are recommended for applications of injection, blow moldings, extrusion where excellent heat and light stability and bright colors are needed as well as no formaldehyde release. HZ pigments are compatible with various types of plastics.

Applications:

■Coloring for various plastics
■Injection moldings, blow moldings etc.

Available Colors:

HZ-11	Pink	HZ-16	Orange yellow
HZ-12	Cerise	HZ-17	Yellow
HZ-13	Red	HZ-18	Green
HZ-14	Red orange	HZ-20	Violet
HZ-15	Orange	HZ-21	Magenta

Technical Properties:

Average Particle Size	≤100μm
Softening Point	≥120℃
Application Temperature	180~260℃
Full shade (compared with the standard)	similar
Color strength (compared with the standard)	100±5%

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LZQ Series Fluorescent Pigments

LZQ-Pigments are developed for plastic applications, where good heat stability and least mold plate-outs are needed. Excellent heat-stability up to 280℃, and no formaldehyde out gassing. They also are good in color strength and bright shades.

Applications:

- Melt-in with plastic extrusion, injection and masterbatch
- Selected applications in blow molding, film blowing, fiber forming

Available colors:

LZQ-11	Pink	LZQ-15	Orange
LZQ-12	Cerise	LZQ-16	Orange yellow
LZQ-13	Red	LZQ-17	Yellow
LZQ-14	Red orange	LZQ-21	Magenta

Technical Properties:

Average Particle Size	≤100μm	Color strength (compared with the standard)	similar
Softening Point	＞120℃	Full shade (compared with the standard)	100±5%
Processing Temperature	200~280℃		

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HP Series Fluorescent Pigments

HP Series fluorescent pigments are based on thermoset resin, and designed for a wide range of formulations where solvents are present and good heat-stability is needed. They are suitable for inks, coatings, water based latex systems, PVC plastisols formulated with water or natural rubber.

Applications:

- Paper coating
- Aerosol paints and other fluorescent paints
- PVC calendaring film
- Coatings and pigment dispersions

Available Colors:

HP-10	Lemon yellow	HP-16	Cerise
HP-11	Green	HP-17	Pink
HP-12	Orange yellow	HP-18	Magenta
HP-13	Orange	HP-19	Blue
HP-14	Red orange	HP-20	White
HP-15	Red	HP-22	Violet

Physical & Chemical Properties:

Average Particle Size	≤5μm
Decomposition Point	≥200℃
Oil Absorption	65g oil/100g pigments
Full shade (compared with the standard)	similar
Color strength (compared with the standard)	100±5%

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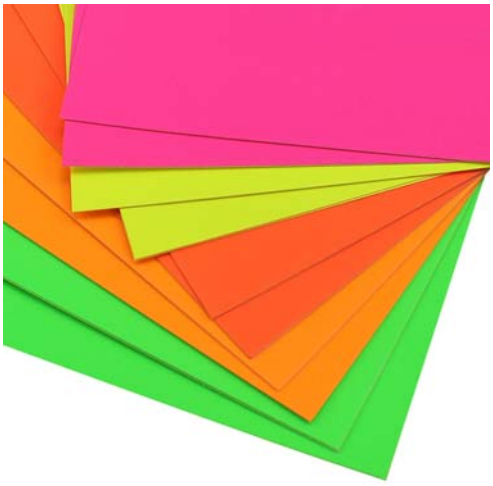
HT Series Fluorescent Pigments

HT is a series of fluorescent pigments designed for applications in which strong coloring strength and excellent brightness are required, with very fine particle size and uniform color. It can be used in paper coatings and fabric coatings.

Applications:



- Water-based textile printings,
- Other water-based coatings
- Some water-based latex systems
- Art paints

Available Colors:

HT-801	Pink	HT-807	Violet
HT-802	Lemon yellow	HT-808	Magenta
HT-803	Yellow	HT-809	Blue
HT-804	Red orange	HT-811	Red
HT-805	Orange	HT-812	Gold yellow
HT-806	Green	HT-816	Cerise

Physical & Chemical Properties:

Average Particle Size	≤5μm
Softening Point	≥120℃
Decomposition point	≥200℃
Oil Absorption	65g oil/100g pigments
Full shade (compared with the standard)	similar
Color strength(compared with the standard)	100±5%

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SSP-200 Series Fluorescent Pigments

SSP-200 Series are newly developed **formaldehyde-free** fluorescent pigments with fine particle size and good brightness for applications like textile printings and PVC coloring. SSP-200 can meet requirements for no formaldehyde content and make the use more earth-human-friendly.

Applications:

- Textile printings
- Water-based coatings
- PVC coloring
- Craft and hobby paints

Available Colors:

SSP-210	Lemon Yellow	SSP-216	Orange yellow
SSP-211	Pink	SSP-217	Yellow
SSP-213	Red	SSP-218	Green
SSP-214	Red orange	SSP-221	Magenta
SSP-215	Orange		

Physical & Chemical Properties:

Average Particle Size	≤5μm
Softening Point	≥140℃
Oil Absorption	65g oil/100g pigments
Full shade(compared with the standard)	similar
Color strength(compared with the standard)	100±5%

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SSP-400 Series Fluorescent Pigments

SSP-400 Series are narrow distributed microsphere fluorescent pigments with good dispersion and opacity. They have strong tinting strength, broad compatibility and excellent resistance to bleeding. SSP-400 Series are suitable for vinyl plastisols and applications where resistance to strong solvents are required.

Applications:

■Coatings (paper, PVC), printing inks and PVC film
■Formulations where strong solvents exist
■Formulations where anti-migration/bleeding is required

Available Colors:

SSP-411	Pink	SSP-417	Yellow
SSP-412	Cerise	SSP-418	Green
SSP-413	Red	SSP-419	Blue
SSP-414	Red orange	SSP-420	Violet
SSP-415	Orange	SSP-421	Magenta
SSP-416	Orange yellow		

Physical & Chemical Properties:

Average Particle Size	≤5μm
Decomposition Point	≥260℃
Oil Absorption	65g oil/100g pigments
Full shade(compared with the standard)	similar
Color strength(compared with the standard)	100±5%

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LWF Fluorescent Pigments

LWF series is based on an unique formaldehyde free pigment technology and aqueous dispersion of fluorescent pigments which have fine sub-micron particle size with narrow distribution, brightness, high tinting strength, and can be widely used in aqueous systems.

Applications:

- Water based inks
- Water based textiles dying or printing
- Detergents and soap coloration
- Highlighter ink, poster inks

Available Colors:

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

Physical & Chemical Properties:

Average Particle Size:	≤0.5μm
Solid content	>40%
PH value	5~7
Full shade (compared with the standard)	similar
Color strength (compared with the standard)	100±5%

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LNT Solvent Soluble Toners

LNT Solvent Soluble Toners are high strength, good transparent, high adhesive pigments which are soluble in many solvents for flexographic and gravure applications on packaging, plastic films, papers and foils. They are compatible with many binders, such as alcohol soluble with nitrocellulose, polyamide, polyurethane to form fluorescent inks.

Applications:

Solvent based:

- Gravure inks
- Flexographic inks
- Industrial inkjet inks

Available Colors:

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

Physical & Chemical Properties:

Appearance	Colored Granular Powder
Softening Point	80~90℃
Full shade (compared with the standard)	similar
Color strength (compared with the standard)	100±5%
General Solubility:	Soluble in alcohols, esters, MEK, etc.

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