山尔化工
-SANER-

FLUORESCENT Pigments

Uniquely bright colors

Pure

Intense

Bright

FLUORESCENT pigments

Brighter colors

Fluorescence is a process of photoluminescence by which light of short wavelengths, either in the ultraviolet or visible regions of the spectrum, is absorbed and re-emitted at longer wavelengths. The re-emission occurs within the visible region of the spectrum, resulting in color. Therefore, fluorescent colors can be upto 3 times brighter than conventional colors.
Fluorescent pigments are composed of a solid state solution of fluorescent dyes in polymeric resin, which is then ground into a fine powder for use as a pigment or colorant. As they are resinous solutions of dyes, they tend to be less opaque in nature than conventional pigments.

We offer high quality fluorescent pigments for a wide range of applications, bringing pure, bright and intense fluorescent colors to your products from toys to sports wear, from household products to publications, or posters, packaging and safety wears. For either novelty or brand identity, our fluorescent colors will surely make you stand out instead of blend-in.

Applications and markets

Paints & Coatings

- Water & solvent based paints
- Paper coatings / clay coatings / fabric coatings
- Aerosols (spray cans)
- Poster & artist colors / hobby paints
- Powder Coatings

Printing Inks

- Screen inks / flexographic inks / gravure inks
- Highlighter inks

Plastics & Masterbatches

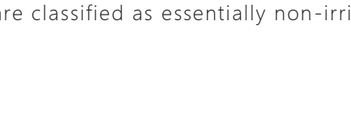
- Injection / extrusion / blowing molded polyolefins (PP / PE / PVC / EVA / TPE / TPU / Rubber, etc)
- Masterbatches
- Vinyl plastisols / calendering

Textile

- Printing & Dyeing

Miscellaneous

- Crayons / candles / chalks / clays / playdough
- Nondestructive leak detection



Features and benefits

- Fresh, vibrant, bright and eye-catching colors
- Full color palette
- Wide range of applications
- Easy to disperse
- Non-toxic

Brighter colors

Fluorescent pigments are often used in specific applications where a particular appeal is desired. Studies shown that fluorescent color products are noticed sooner and seen longer than their conventional colors. As a result, designers have been using fluorescent colors in many creative ways to enhance product sales. The unique brightness of fluorescent colors may be employed alone when one product is set apart from the rest in a competitive situation. In addition, fluorescent colors can be added to conventional pigments to brighten an their colors.

Brighter with environmental promise

Most fluorescent pigments do not contain any of the commonly regulated heavy metals (cadmium, lead, mercury, and hexa–valent chromium). In fact, to our best knowledge, no heavy metals are added in the manufacture of any fluorescent colorants.

In addition, many of the fluorescent products have been tested for skin irritation and acute toxicity. As a result, those that have been tested are classified as essentially non-irritating and essentially non-toxic.

We can offer the most wide range of fluorescent pigments including thermoplastic, thermoset, emulstions, dispersions and other specialties from conventionals to microsphere, low-formaldehyde or non-formaldehyde , as well as improved light-fastness grades, for coatings/paints, plastics, printing inks, textile and other applications where vivid fluorescent colors are required.

Over 13 series

Over 130 shades

FLUORESCENT pigments

Product range

Series	Delivery form	Description and applications
HA Series (PROSphere Series)	Dry powder	General purpose fluorescent pigments for water & solvent based systems and molded polyolefins with good heatstability, solvent and migration resistance
AX Series (PROBrite Series)	Dry powder	Conventional fluorescent pigments for low temperature molded plastics (PP/PE/PVC) with heat-stability 200℃, best fluorescence and coloring strength, limited use in water-based coatins, paints, inks and modeling clay.
SA Series (PROPlast-10 Series)	Dry powder	Non-formaldehyde, melting fluorescent pigments for molded plastics (PP/PE) and masterbatch with heat-stability up to 220℃
SA-S Series (PROPlast-10S Series)	Dry powder	Non-formaldehyde, melting fluorescent pigments for molded plastics (PP/PE) and masterbatch with heat-stability up to 220℃, some colors upto 250℃ with higher color strength than SA (PROPlast-10) Series
CZ Series (PROPlast-20 Series)	Dry powder	Non-formaldehyde, melting fluorescent pigments for molded plastics (PP/PE) and masterbatch with heat-stability up to 250℃
ZQ Series (PROPlast-30 Series)	Dry powder	Non-formaldehyde, melting fluorescent pigments for molded plastics (PP/PE) and masterbatch with heat-stability up to 280℃
CH Series (PROTex-10 Series)	Dry powder	For water based paints and printing inks, textile printings and other general purposes where solvent and heat resistance are not required
NFW Series (PROTex-20 Series)	Dry powder	Non-formaldehyde fluorescent pigments for water-based coatings and textile printing inks where solvent and heat resistance are not required
SV Series (PROSol Series)	Dry powder	Solvent-resistance fluorescent pigments for polar solvent-based paints and printing inks, plastisols and PVC calendaring
HV Series (PROSphere-B Series)	Dry powder	Microsphere fluorescent pigments for high polar solvent-based systems with extremely low bleeding, swelling and color migration
HS Series (PROSphere-S Series)	Dry powder	Microsphere fluorescent pigments for ◢ strong solvent-based systems with extremely low bleeding, swelling and color migration ◢ non plate-out in molded polyolefins, PVC, TPU, EVA and masterbatch with excellent heat-stability
W Series (PROSperse Series)	Emulstions	Non-formaldehyde fluorescent pigment dispersions/emulsions for water-based coatings, printing inks and highlighter inks
NT Series (PROToner Series)	Coarse powder	Solvent soluble fluorescent toners for solvent-based printing inks with high color strength and transparency
PROVinyl Series	Coarse powder	High color strength fluorescent pigments for rigid & plasticized PVC, PVC calendering

● For more information please refer to our TDS per series. Special grades are available upon request. Water-based dispersions of some series are also available.

FLUORESCENT Pigments for plastics

For injection, extrusion, blowing, molded polyolefins, other polymers, and masterbatches

	AX (PROBrite)	SA/SA-S (PROPlast-10 PROPlast-10S)	CZ/ZQ (PROPlast-20/ PROPlast30)	HA (PROSphere)	HV/HS (PROSphere-B/S)	CH (PROTex-10)	SV (PROSol)	PROVinyl
PP/PE	●	●	●	●	●	◎	◎	
TPU/TPE/ Silicone /Synthetic rubber			◎	●	●			
Rigid PVC	◎	◎	◎	●	●	◎	◎	◎
Plasticized PVC	◎	◎	◎	●	●	◎	◎	●
EVA				◎	●			

For PVC plastisol / organosol, PVC calendering, and PVC / PU coatings

		HA (PROSphere)	HV/HS (PROSphere-B/ PROSphere-S)	SV (PROSol)	CH (PROTex-10)	NFW (PROTex-20)	PROVinyl
Fabric Coatings	PVC / PU coating/Leaher	●	●	●	◎	◎	
	Water-based acrylic	●	●	◎	●	●	
	Solvent-based arylic	●	●	●	◎		
	Latex	●	●	●	●		
Plastisols	PVC plastisol	●	●	●	◎	◎	
Calendering	PVC calendering	●	●	●	◎	◎	●
Dipping	PVC, candle	●	●	●	◎		
	Latex	●	●	●	●	◎	

● Recommended ◎ To be Tested

FLUORESCENT pigments for paints and printing inks

For paints& coatings

		AX (PROBrite)	CH (PROTex-10)	NFW (PROTex-20)	SV (PROSol)	HA (PROSphere)	HV/HS (PROSphere-B/ PROSphere-S)	W (PROSperse)
Traditional paints	Water & non-polar solvent systems	◎	●	●		●	●	◎
	Polar solvent systems				●	●	●	
Aerosols	Water & non-polar solvent systems		●		◎	●	●	
	Polar solvent systems				●	●	●	
Powder coating					◎	●	●	
Clay coatings		◎	●		◎	●	●	◎
Textile printing		◎	●		●	●	●	●
Paper coatings	Water & non-polar solvent systems	◎	●			●	●	◎
	Polar solvent systems				●	●	●	

For printing inks and others

		HA (PROSphere)	HV/HS (PROSphere-B/ PROSphere-S)	SV (PROSol)	CH (PROTex-10)	NFW (PROTex-20)	NT (PROToner)	W (PROSperse)
Screen printing	Water & non-polar solvent systems	●	●	◎	●	●		◎
	Polar solvent systems	●	●	●				
Gravure	Water & non-polar solvent systems	●	●	●	●	●		●
	Polar solvent systems	●	●	●	●			
Flexo	Water & non-polar solvent systems	◎	◎					●
	Polar solvent systems	◎	◎				●	
Offset								Coming up soon
Stationery	Highlighter inks						◎ (solvent-based)	● (water-based)
	Pencil lacquer/lead	●	●	●	◎	◎		
	Chalk / wax crayons	●	●	◎	◎	◎		◎

● Recommended ◎ To be Tested

FLUORESCENT pigments

Color guide

- 11 Pink
- 12 Cerise (1)
- 12 Cerise (2)
- 13 Red
- 14 Red Orange
- 15 Orange
- 16 Orange Yellow
- 17 Yellow
- 18 Lemon Yellow
- 19 Green
- 20 Blue
- 21 Violet
- 22 Magenta
- 23 White

The shades hereby are only indicative. Computer screens can not reproduce real fluorescent colors. Although the shades in different series are similar, they are not 100% identical.
More shades are available upon request.

Available colors

T*: Less hiding

Available Colors / Series	AX (PROBrite)	CH (PROTex-10)	NFW (PROTex-20)	SV (PROSol)	W (PROSperse)	SA/SA-S (PROPlast-10/10S)	CZ (PROPlast-20)	ZQ (PROPlast-30)	HV/HS (PROSphere & PROSphere-B/S)	NT (PROToner)	PROVinyl
Pink	●	●	●	●	●	●	●	●	●	●	●
Cerise	●	●		●	●	●	●	●	●		
Red	●	●	●	●	●	●	●	●	●	●	
Red Orange	●	●	●	●	●	●	●	●	●	●	
Orange	●	●	●	●	●	●	●	●	●	●	
Orange Yellow	●	●	●	●	●	●	●	●	●	●	
Yellow	●	●	●	●	●	●	●	●	●	●	
Lemon Yellow	●	●	●	●		●	●	●	●	●	
Green	●	●	●	●	●	●	●	●	●	●	
Blue	●	●	●	●	●	●	●	●	●	●	
Violet	●	●		●	●	●	●	●	●	●	
Magenta	●	●	●	●	●	●	●	●	●	●	
White				●					●		
White (T*)				●					●		

Colors,
for the changing world

山尔化工
– SANER –

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