

荧光颜料 Fluorescent Pigments

基本系列与应用 General grades applications

荧光颜料可以吸收紫外光或者可见光波段中短波长的并以较长波长的光发射，这部分发射光通常在可见光波段内，并形成人眼可见的颜色。因此荧光颜料具有无可比拟的亮度和鲜艳度，可达到普通颜料的3倍。
荧光颜料通常是由载体树脂与荧光染料构成的。通过将荧光染料溶解到合成的载体树脂并研磨到微米级粒径，就形成了可作为着色剂使用的荧光颜料。

Fluorescent pigments can absorb the light of short wavelengths, either in the ultraviolet or visible regions of the spectrum, and re-emit at longer wavelengths. The re-emission occurs within the visible region of the spectrum, resulting in color. Therefore, fluorescent colors can be up to 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 fine powder for use as a pigment or colorant.

		AX Series	SA Series*	CZ Series*	ZQ Series*	HV Series	HS Series	CH Series	NFW Series*	SV Series*	NGF Series*	W Series*	NT Series			
聚烯烃及其他塑胶、色母粒等	PP/LDPE/HDPE	●	●	●	●	●	●	●		●				PP/LDPE/HDPE	Molded plastics and masterbatches	
	PVC/TPU/TPE/硅胶	◎	◎	◎	◎	●	●			◎	◎			PVC/TPU/TPE/silicone		
	EVA/橡胶					◎	●							EVA/rubber		
PVC塑溶胶、PVC、PU涂层	PVC/PU/丙烯酸涂层、皮革					●	●	◎	◎	◎	●	◎		PVC/PU/acrylic coating	Plastisol/organosol PVC/PU/acrylic coatings, PVC calendering	
	乳胶、浸胶					●	●	●	●	●	●	◎		Latex, dipping		
	PVC塑溶胶					●	●	◎	◎	◎	●			PVC plastisol		
	PVC压延膜					●	●		◎		●			PVC calendering		
涂料、油漆、自喷漆	水性及弱溶剂体系	◎				●	●	●	●	●	●	●		Water or mild solvent-based	Paints & coatings, aerosols	
	强溶剂体系	◎				●	●	◎		●	●			Polar solvent-based		
	飞靶涂料	◎				●	●	●	●	●	●	◎		Clay coating		
	粉末涂料		◎	◎	◎	●	●		◎	◎	◎		◎	Powder coating		
荧光纸油墨、水墨	水性体系	◎				●	●	●	●	●	●	●		Water or mild solvent-based	Paper coating	
	油性体系					●	●			●	●			Polar solvent-based		
	水性及弱溶剂体系	◎				●	●	●	●	●	●	●		Water or mild solvent-based		
	强溶剂体系					●	●	●		●	●			Polar solvent-based		
丝网印刷油墨	塑溶胶	◎				●	●			●	●			Plastisols	Screen printing inks	
	UV固化									●	●			UV curing		
	水性及弱溶剂体系					●	◎	◎	◎	◎	◎			Water or mild solvent-based		
	油性体系					●	◎			◎	◎		●	Polar solvent-based		
胶印	胶印(平版)油墨													Coming up soon	Offset	Offset inks
其它	荧光墨水										●	●		Highlighter inks	Miscellaneous	
	彩铅、蜡笔	◎				●	●	●	●	●	●			Pencil lead/crayon /chalk		
	示踪、检漏	●				●	●	●	●	●	●			Tracer/NDT		
	彩泥、粘土、雪花泥、太空沙、水晶泥、史莱姆等	●				●	●	●	●	●	●			Modeling clay/play dough/slime		
	蜡烛、佛香					●	●	●	●	●	●			Candle/wax dipping		

● 推荐使用 Recommended ◎ 可能适用 To be tested * 无甲醛 Non-formaldehyde

基本产品系列颜色 Available colors

	AX Series	SA Series*	CZ Series*	ZQ Series*	HV Series	HS Series	CH Series	NFW Series*	SV Series	NGF Series*	W Series*	NT Series	
粉 红	●	●	●	●	●	●	●	●	●	●	●	●	Pink
玫 红	●	●	●	●	●	●	●	●	●	●	●	●	Cerise
大 红	●	●	●	●	●	●	●	●	●	●	●	●	Red
橙 红	●	●	●	●	●	●	●	●	●	●	●	●	Red Orange
橙 色	●	●	●	●	●	●	●	●	●	●	●	●	Orange
橙 黄	●	●	●	●	●	●	●	●	●	●	●	●	Orange Yellow
黄 色	●	●	●	●	●	●	●	●	●	●	●	●	Yellow
柠檬黄	●				●	●	●	●	●	●	●	●	Lemon Yellow
绿 色	●	●	●	●	●	●	●	●	●	●	●	●	Green
蓝 色	●		●		●	●	●	●	●	●	●	●	Blue
紫 色	●				●	●	●	●	●	●	●	●	Violet
紫 红	●	●	●	●	●	●	●	●	●	●	●	●	Magenta
白 色					●	●	●	●	●	●	●	●	White
白色 (T■)													White(T■)

各系列的颜色并非一致。Although the shades of different series are similar, they are not 100% identical.

*: 无甲醛 Non-formaldehyde; T■: 较透明 Less opaque

特点与优点

- ▲ 色彩鲜艳、纯净、强烈
- ▲ 色谱齐全
- ▲ 应用广泛
- ▲ 容易分散
- ▲ 无毒无害

Features & benefits

- ▲ Fresh, vibrant, bright
- ▲ Full color palette
- ▲ Wide range of applications
- ▲ Easy to disperse
- ▲ Non-toxic

基本产品系列

Product range

Series	Description and applications
AX Series (PROBrite Series)	Conventional fluorescent pigments for low temperature molded plastics (PP/PE/PVC) with heat-stability 200°C, best fluorescence and coloring strength, limited use in water-based coatings, paints, inks and modeling clay.
SA Series (PROPlast-10 Series)	Non-formaldehyde, melting fluorescent pigments for molded plastics (PP/PE) and masterbatch with heat-stability up to 220°C
CZ Series (PROPlast-20 Series)	Non-formaldehyde, melting fluorescent pigments for molded plastics (PP/PE) and masterbatch with heat-stability up to 250°C
ZQ Series (PROPlast-30 Series)	Non-formaldehyde, melting fluorescent pigments for molded plastics (PP/PE) and masterbatch with heat-stability up to 280°C
CH Series (PROTex-10 Series)	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)	Non-formaldehyde fluorescent pigments for water-based coatings and textile printing inks where solvent and heat resistance are not required
SV Series (PROSol Series)	Solvent-resistance fluorescent pigments for solvent-based paints and printing inks, plastisols and PVC calendaring
HV Series (PROSphere-B Series)	Microsphere fluorescent pigments for high polar solvent-based systems with extremely low bleeding, swelling and color migration
HS Series (PROSphere-S Series)	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 (PROSpere Series)	Non-formaldehyde fluorescent pigment dispersions/emulsions for water-based coatings, printing inks and highlighter inks
NT Series (PROToner Series)	Solvent soluble fluorescent toners for solvent-based printing inks with high color strength and transparency

系列名称 产品性能与主要应用

AX 系列	性价比高的荧光颜料，优异的着色强度和荧光度，可用于低温PP/PE/PVC等着色，也可有限应用于耐温、耐溶剂要求不高的水性涂料、油墨以及彩泥等领域
SA 系列	无甲醛荧光颜料，低软化点、极易分散、强度高，可用于220°C内的PP/PE塑料注塑、挤出、吹膜、吹塑等工艺以及色母粒
CZ 系列	无甲荧光颜料、良好的荧光度和耐温性能，可用于250°C内的PP/PE塑料注塑、挤出、吹膜、吹塑等工艺以及色母粒
ZQ 系列	无甲醛荧光颜料、优异的着色力和极高的耐温性能，可用于280°C内的PP/PE塑料注塑、挤出、吹膜、吹塑等工艺以及色母粒着色，并能一定程度上减少螺杆现象
CH 系列	用于水性涂料、油墨、纺织印花色浆以及耐温、耐溶剂要求不高的其他用途
NFW 系列	水性无甲醛荧光颜料，用于涂料、油墨、纺织印花色浆以及耐温、耐溶剂要求不高的彩泥、美术颜料、蜡笔等
SV 系列	较好的耐溶剂、耐温性能，可用于油性体系的涂料、油漆、油墨以及PVC压延膜等
NGF 系列	无甲醛荧光颜料，优异的荧光度、耐溶剂、耐温、耐光性能，可用于涂料、油漆、油墨、纺织印花色浆、塑胶以及彩泥、美术颜料、蜡笔等领域
HV 系列	优异的耐溶剂、耐迁移、易分散性能和荧光度，良好的遮盖力，广泛用于涂料、油漆、油墨以及部分塑胶领域。
HS 系列	优异的耐温、耐溶剂、耐迁移、易分散性能和荧光度，低甲醛含量，良好的遮盖力，不粘螺杆、粘模具，广泛用于塑胶领域和涂料、油漆、油墨
W 系列	含固量高、粒径细微，荧光度好，可用于水性涂料、纺织印花色浆、荧光墨水等。
NT 系列	荧光色精，可溶解于众多有机溶剂，具有良好的着色强度和优异的透明度，可用于对透明度有要求的包装油墨、薄膜及玻璃油墨以及某些荧光墨水

以上表格中信息仅供参考，各系列荧光颜料的具体信息可参阅相应系列的技术资料或者联系我们的销售人员；我们也可提供部分荧光颜料产品相应的色浆系列。

Above info is for reference only. Please refer to the TDS per series or contact our team for details; Some of the above fluorescent pigments can be also provided in dispersions.