



荧光颜料系列

Fluorescent Pigments HK Series
Fluorescent Pigments HP Series
Fluorescent Pigments HT Series
Fluorescent Pigments HW Series
Fluorescent Pigments HX Series



HONGDA GROUP LIMITED
洪大集团有限公司



HONGDA GROUP LIMITED



公司简介 **BRIEF INTRODUCTION**

洪大集团有限公司始建于1992年，专业生产有机颜料、荧光颜料、油漆颜料以及各类助剂等技、工、贸一体型企业。公司创始至今，一直致力于技术开发和新产品的研制和生产。良好的服务和信誉始终体现在与客户和生产厂家之间稳定的业务发展中。专业的营销运作程序对产品的质量，价格，包装、运输有着良好的保障。以TRANSCOR为品牌的荧光系列产品已经得到了广大客户的肯定。

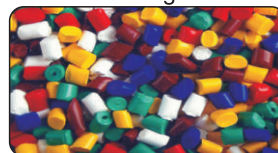
Hongda Group Limited is located in Zhejiang Ningbo, which initiated its business in 1992 and is engaged itself In the field of technology creation, manufacturing and international trade, is an enterprise which specialize in the production of coating raw materials i.e. Photoinitiators, uv absorbers, fluorescent pigments, polyamide resins and other additives. As one of our commitments to our customers, we attach great importance to the research and development. We consistently provide best service and keep our credit in developing stable business with our oversea clients and manufacturers. Our professional marketing process guarantee the quality assurance, competitive price, timely and first class logistics. Brand of **TRANSCOR** series products have already been well accepted by customers all over the world.

分类产品：
Product line

荧光颜料 HK 系列
Fluorescent Pigments HK Series



荧光颜料 HP 系列
Fluorescent Pigments HP Series



荧光颜料 HT 系列
Fluorescent Pigments HT Series



荧光颜料 HW 系列
Fluorescent Pigments HW Series



荧光颜料 HX 系列
Fluorescent Pigments HX Series





RECOMMENDATION OF FLUORESCENT PIGMENT 荧光颜料分类及应用

Range of Application 应用范围		HX Series HX 系列	HK Series HK 系列	HW Series HW 系列	HP Series HP 系列	HT Series HT 系列
Coating 漆	Water based 水性	✓		✓		△
	Solvent based 溶剂型	△				✓
	Vinyl plastisol 喷漆					✓
Paper coatings 纸涂层	Water based 水性	✓		✓		△
	Solvent based 溶剂型	△				✓
Screen Inks 丝网印墨	Water based 水性	✓		✓		△
	Solvent based 溶剂型	△				✓
Flexogra Phic Ink 凸版油墨	Water based 水性	✓		✓		△
	Solvent based 溶剂型	△				✓
Gravure Inks 凹版油墨	Water based 水性	✓		✓		△
	Solvent based 溶剂型	△				✓
Textile Printings 纺织品印刷		✓		✓		
Plastics 塑料着色		✓	✓		✓	△
Rubber 橡胶		△	△		△	
Crayon 蜡笔						✓

✓ Series recommended

△ May be used for selected applications



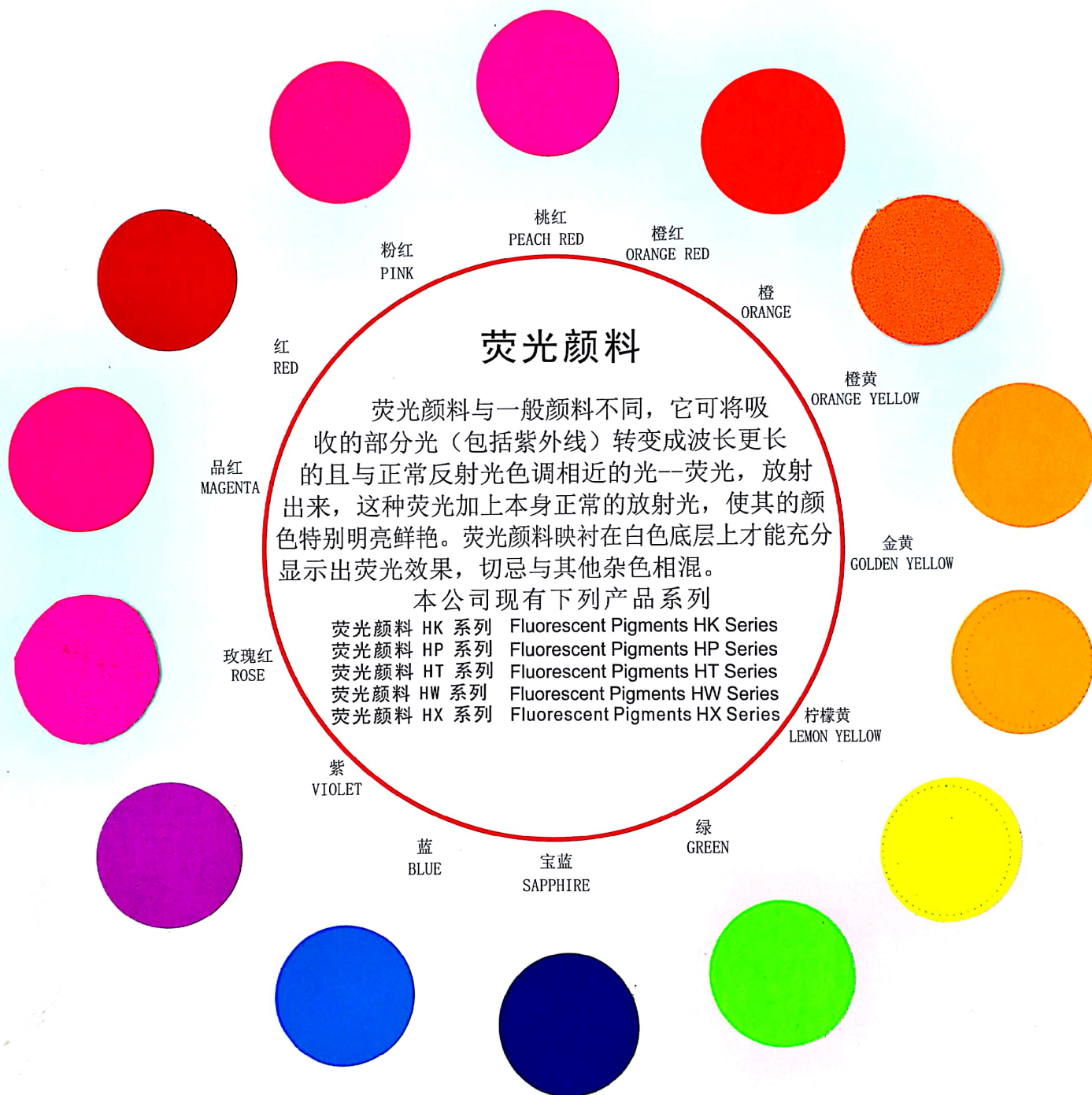
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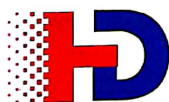


FLUORESCENT COLOR CARD

荧光色卡



注：以上色卡仅供参考，同时可根据客户提供色样制造。



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Fluorescent Pigments HK Series

Highlight of Properties:

Formaldehyde free, Plastic Colorants. Brilliant clean fluoresce, superior tinting strength. They are free from heavy metals and prohibited aromatic amines. They can withstand temperature of 250°C.

Physical Properties:

Specific Gravity	1.2 g/cm ³
Particle Size	≤ 25 μm
Heat Resistance	≤ 250°C

Application in Plastic Systems:

Recommend: LDPE, HDPE & PP

Recommend, but through test before using is necessary:

PA(nylon), PC, PVC, ABS PS & PMMA

Color:

HK-10	Lemon Yellow
HK-20	Golden Yellow
HK-12	Orange Yellow
HK-13	Orange
HK-14	Orange Red
HK-16	Peach Red
HK-17	Pink
HK-18	Magenta
HK-21	Violet
HK-19	Blue
HK-11	Green

Additives and Toxicity:

Studies have shown that plastic processing additives containing zinc, magnesium, calcium and iron will cause deleterious color effects when used in a plastic resin system containing HK series, tests have shown that HK series are essentially non-toxic.

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荧光颜料 HK 系列

产品特性:

HK系类荧光颜料色彩鲜艳，荧光度强，分散性能良好，不含甲醛，重金属以及禁用芳香胺，耐热性可达250℃。

主要技术指标:

比重	1.2g/cm ³
平均粒径	≤25 μm
耐热性	≤250℃

应用领域:

推荐用于：聚乙烯（高、低压）和聚丙烯

可实验性使用于：聚苯乙烯，ABS，聚酰胺（尼龙），聚碳酸酯，PMMA(有机玻璃)，硬PVC 和尿醛树脂。

颜色名称:

HK-10	柠檬黄
HK-20	金黄
HK-12	橙黄
HK-13	橙
HK-14	橙红
HK-16	桃红
HK-17	粉红
HK-18	品红
HK-21	紫
HK-19	兰
HK-11	绿

添加剂:

金属离子和原子化聚合物会令颜料颜色变化并失去光泽，研究表明，含游离的锌，镁，钙和铁的添加剂与荧光颜料混合使用时，会对颜色产生有害的后果，故使用前一定要检测其对颜料的影响性。

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Fluorescent Pigments HP Series

Highlight of Properties:

HP series offer formaldehyde free, lower mold plateout, melt-in, best tinting strength, superior brightness, increased plastic compatibility, fade resistant and excellent heat stability in injection molded plastics when compared to other thermoplastic fluorescent pigments commercially available. The maximum recommended processing temperature is up to 280 °C.

Physical Properties:

Particle Size	≤ 10μm
Decomposition	≤ 300°C
Lowest Injection Molding Temperature	185°C
Specific Gravity	1.2 g/cm ³
Softening Point	≥ 130°C

Color:

HP-10	Lemon Yellow
HP-12	Orange Yellow
HP-13	Orange
HP-14	Orange Red
HP-15	Red
HP-16	Peach Red
HP-17	Pink
HP-22	Rose
HP-21	Violet
HP-19	Blue
HP-11	Green

Application in Plastic Systems:

Recommend: LDPE, HDPE, PP, & PS

Recommend, but through test before using is necessary:
PC, PU, PVC flexible, PA (nylon), Polyester, PMMA & ABS

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荧光颜料 HP 系列

产品特性:

1. 耐高温性好，能够用于高达 280℃ 的塑料着色加工。
2. 环保性优，在塑料加热过程中无甲醛气体排放。
3. 耐光性强，产品具有优异的耐光性，使用于户外制品。
4. 抗粘辊性佳，在注塑加工过程中不会出现色料粘螺旋杆现象。

主要技术指标:

平均粒径	$\leq 10 \mu m$
分解温度	$\leq 300^\circ C$
最低注塑温度	185℃
比重	1.2 g/cm ³
软化点	$\geq 130^\circ C$

颜色名称:

HP-10	柠檬黄
HP-12	橙黄
HP-13	橙
HP-14	橙红
HP-15	红
HP-16	桃红
HP-17	粉红
HT-18	品红
HP-22	玫瑰红
HP-21	紫
HP-19	兰
HP-11	绿

在塑料制品中应用:

推荐使用: 聚乙烯(高, 低压), 聚丙烯和聚苯乙烯

推荐使用, 但必须针对个别树脂体系进行试验:

ABS, 尼龙, 聚碳酸酯, 聚氨酯, 聚氯乙烯(软), 聚酯和聚甲基丙烯酸甲酯。

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Fluorescent Pigments HT Series

Highlight of Properties:

With the key feature of excellent solvent resistance, particularly in the resistance to high molecular weight polar solvents such as ketones and esters, HT series fluorescent pigments can find extensive applications. At the same time, they can offer good migration resistance in PVC coloring.

Physical Properties:

Particle Size	≤6μm
Heat resistance	≤160℃
Oil Absorption	≤45.0%

Color:

HT-10	Lemon Yellow
HT-20	Golden Yellow
HT-12	Orange Yellow
HT-14	Orange Red
HT-15	Red
HT-16	Peach Red
HT-17	Pink
HT-18	Magenta
HT-21	Violet
HT-19	Blue
HT-11	Green

Recommended Application:

Applicable in paper printing inks, screen printing inks, pencil lacquers and other paint and ink.

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荧光颜料 HT 系列

产品特性:

HT系列荧光颜料应用广泛、最大特点是耐溶剂性能好和非常亮丽的荧光色彩，能用于各种极性的溶剂体系中，能耐分子量较大的酮，酯类等极性溶剂。在PVC塑料着色中具较好的耐迁移性，通常推荐将颜料预分散，加工成诸如色母的形式。

主要技术指标:

平均粒径	$\leq 6 \mu m$
耐热温度	$\leq 160^{\circ}C$
吸油量	$\leq 45.0\%$

颜色名称:

HT-10	柠檬黄
HT-20	金黄
HT-12	橙黄
HT-14	橙红
HT-15	红
HT-16	桃红
HT-17	粉红
HT-18	品红
HT-21	紫
HT-19	兰
HT-11	绿

应用领域:

适用于纸印油墨、网印油墨、铅笔漆及其它油漆。

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Fluorescent Pigments HW Series

Highlight of Properties:

Advantage of full color, high strength, bright shade, intense fluorescence, good dispersibility, and fine particle size.

Physical Properties:

Specific Gravity	0.6 g/cm ³
Fluidity	≥30.0mm
Particle Size	≤6 μm
Soaping Fastness	≥2grade
Oil Absorption	≤55%

Color:

HW-10	Lemon yellow
HW-20	Golden yellow
HW-12	Orange Yellow
HW-14	Orange-red
HW-15	Red
HW-16	Peach Red
HW-17	Pink
HW-18	Magenta
HW-21	Violet
HW-19	Blue
HW-22	SAPPHIRE
HW-11	Green

Application in Plastic Systems:

Mainly used in textile printing color paste, as well as in water based paint.

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荧光颜料 HW 系列

产品特性:

HW系列荧光颜料具有色彩鲜艳, 荧光度强, 分散性好, 粒径小等特点。

主要技术指标:

堆积密度	0.6g/cm ³
流动度	≥30.0mm
平均粒径	≤6 μm
皂洗牢度	≥2grade
吸油量	≤55%

颜色名称:

HW-10	柠檬黄
HW-20	金黄
HW-12	橙黄
HW-14	橙红
HW-15	红
HW-16	桃红
HW-17	粉红
HW-18	品红
HW-21	紫
HW-19	兰
HW-22	宝蓝
HW-11	绿

应用领域:

主要用于纺织印花色浆, 也可用于水性体系的涂料。

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Fluorescent Pigments HX Series

Highlight of Properties:

HX is a series of thermoplastic fluorescent pigments, designed for application in which strong color strength and excellent brightness are high required, competitive price.

Physical Properties:

Specific Gravity	1.36 g/cm ³
Particle Size	2.0-4.0 μm
Softening Point	100°C-115°C
Oil absorption	≤56.%
Processing Temperature	≤180°C
Highest application temperature	190°C

Color:

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

Application in Plastic Systems:

HX Series can be used in paper coatings, textile printings, vinylcoated fabric, A-type gravure inks and screen inks, which are formulated with water or mild solvents. The pigment can be used in plastics in which the processing temperature is below 190°C.

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荧光颜料 HX 系列

产品特性:

HX系列为热塑性荧光颜料，具有较高的着色力，极鲜艳的色彩和良好的经济效益。

主要技术指标:

比重	1.36 g/cm ³
平均粒径	2.0-4.0 μm
软化点	100℃-115℃
吸油量	≤56%
建议加工温度	≤180℃
最高加工温度	190℃

颜色名称:

HX-10	柠檬黄
HX-12	橙黄
HX-13	橙
HX-14	橙红
HX-15	红
HX-16	鲜红
HX-17	粉红
HX-18	品红
HX-21	紫
HX-19	兰
HX-11	绿

应用领域:

HX系列特别推荐应用在性能要求不高的各个领域，包括非极性和弱极性有机溶剂体系以及不需要长期储存的水性体系，可用于印花色浆，非极性溶剂凹版油墨，PVC溶胶及橡胶，非极性溶剂涂纸涂料，纤维涂料，丝印PVC油墨。彩泥等，同时还可以用于操作温度在190℃以下各类塑胶中。

注意事项:

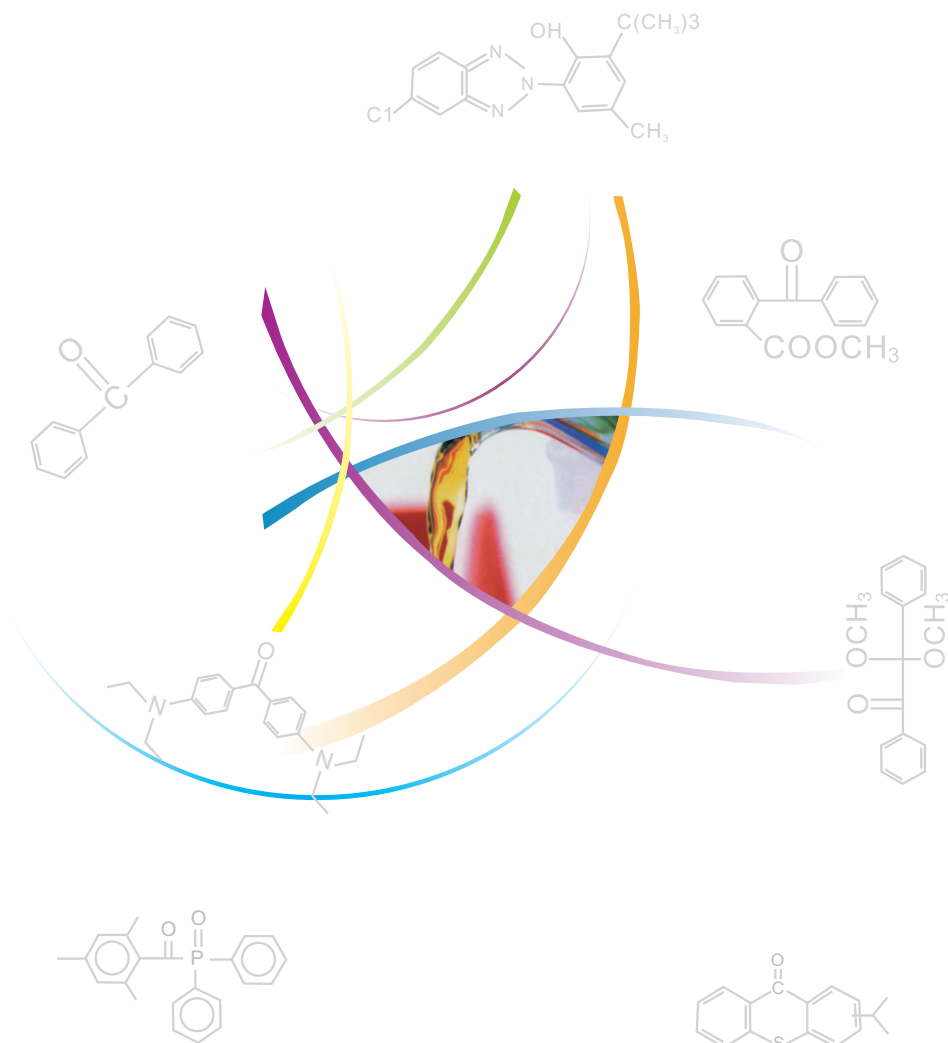
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Novel Innovation
Global Perspective
Developable Strategy
Awful Potential





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