

UV 油墨用金属颜料系列产品介绍 Metallic Pigment Series for UV INKS



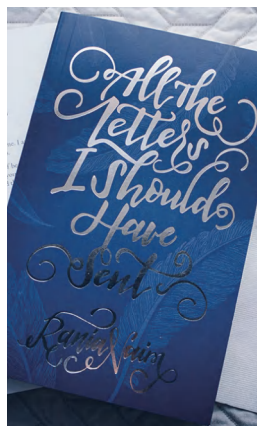
应用背景 Application Background

在高端包装印刷领域，UV胶印油墨凭借固化速度快、环保性好、印刷效果精致等优势，广泛应用于烟包、化妆品包装、高端礼品盒等场景。金属颜料作为UV 胶印油墨的关键组成部分，直接决定了印刷品的金属光泽、质感及耐用性。本系列UV油墨用金属颜料针对性适配UV胶印工艺，涵盖铝银条、铜金条、镜面银、镭射银四大品类，可满足不同高端包装对金属效果的多样化需求，尤其在烟包印刷中表现突出。

In the field of high-end packaging printing, UV offset inks are widely used in scenarios such as cigarette packs, cosmetic packaging, and high-end gift boxes due to their fast curing, environmental friendliness, and exquisite printing results. Metallic pigments, as key components of UV offset inks, directly determine the metallic luster, texture, and durability of the printed product. This series of metallic pigments for UV inks is specifically designed to adapt to the UV offset process. It covers four major categories: Aluminium Pigment Pellet, Bronze Pigment Pellet, Vacuum Metallized Pigment, and Holographic Aluminium Pigments, meeting the diverse needs for metallic effects in various high-end packaging applications, demonstrating outstanding performance particularly in cigarette pack printing.



产品应用 Applications



UV 油墨用金属颜料系列产品介绍

Metallic Pigment Series for UV INKS



核心产品

Core Products

01 UV油墨用铝银条

Aluminium Pigment Pellet

型号Grade	粒径Particle Size	铝含量Aluminium Content	载体含量Carrier Content
ST0008WB	8μm	90-95%	5-10%
ST0010WB	10μm	85-90%	10-15%
ST0012WB	12μm	85-90%	10-15%

核心成分 Main Compositions	由80-95%铝、5-20%脲醛树脂、3-5%磷酸酯科学配比组成，成分比例稳定，确保产品性能一致性。 Formulated with 80-95% aluminium, 5-20% urea-formaldehyde resin, and 3-5% phosphate ester. The stable ratio ensures consistent product performance.
产品特性 Product Characteristics	◆ 金属质感强：高含量铝成分赋予印刷品明亮、细腻的银色金属光泽，视觉层次丰富。 ◆ 分散性优异：脲醛树脂可提升颜料在UV油墨中的分散均匀度，避免出现颗粒感，保障印刷平整性。 ◆ 附着力强：磷酸酯成分增强颜料与油墨、承印物的结合力，印刷后不易脱落，耐摩擦性能佳。 ◆ 耐候性：有效抵抗光照、温湿度变化对金属光泽的影响，长期保持印刷品外观稳性。 ◆ High Metallic Effect: High aluminium content imparts a bright, fine silver metallic luster to prints, offering rich visual hierarchy. ◆ Excellent Dispersion: Urea-formaldehyde resin enhances the uniform dispersion of the pigment within the UV ink, preventing graininess and ensuring smooth printing. ◆ Strong Adhesion: Phosphate ester component enhances the bonding force between the pigment, the ink, and the substrate, reducing post-printing peeling and offering good abrasion resistance. ◆ Good Weather Resistance: Effectively resists the impact of light, temperature, and humidity changes on the metallic luster, maintaining the appearance stability of the printed product over time.
适用场景 Applications	主要用于 UV 胶印油墨，适配烟包银色图案、LOGO 印刷，也可应用于高端食品包装、电子产品包装盒等需银色金属效果的场景。 Primarily used in UV offset inks, suitable for silver patterns on cigarette packs, logo printing and can also be applied to high-end food packaging, electronic product boxes, and other scenarios requiring a silver metallic effect.



全系列特色效果颜料供应商

SUPPLIER OF FULL RANGE EFFECT PIGMENTS

UV 油墨用金属颜料系列产品介绍Metallic Pigment Series for UV INKS

02 UV油墨用铜金条 Bronze Pigment Pellet

型号Grade	目数Mesh Size	色相Color	铜锌含量Copper-Zinc Content	载体含量Carrier Content
CT1500GWB	1500	青金Rich Gold	80-95%	5-20%
CT1500RWB	1500	红金Pale Gold	80-95%	5-20%

核心成分 Main Compositions	含80-95%铜金粉、5-20%脲醛树脂、3-5%磷酸酯，铜金粉纯度高，辅料适配性强。 Contains 80-95% bronze gold powder, 5-20% urea-formaldehyde resin, and 3-5% phosphate ester. The bronze gold powder has high purity, and the auxiliary materials offer strong compatibility.
产品特性 Product Characteristics	◆ 色泽饱满：高比例铜金粉呈现浓郁、纯正的铜金色泽，无杂色，满足高端包装对金色的品质要求。 ◆ 相容性好：脲醛树脂可与UV胶印油墨体系完美融合，不影响油墨固化速度与印刷流畅度。 ◆ 耐化学性优：磷酸酯成分提升产品抗酸碱、抗溶剂腐蚀能力，避免印刷品因接触外界物质而变色。 ◆ 细腻度高：颜料颗粒均匀细腻，印刷后表面光滑，无粗糙感，提升包装质感。 ◆ Full Color Tone: High proportion of bronze gold powder delivers a rich, pure bronze gold color without off-tones, meeting the quality requirements for gold in high-end packaging. ◆ Good Compatibility: Urea-formaldehyde resin integrates perfectly with the UV offset ink system, without affecting the ink curing speed or printing fluency. ◆ Excellent Chemical Resistance: Phosphate ester component enhances resistance to acids, alkalis, and solvent corrosion, preventing discoloration of the printed product upon contact with external substances. ◆ High Fineness: Pigment particles are uniform and fine, resulting in a smooth printed surface without roughness, enhancing the packaging texture.
适用场景 Applications	专为 UV 胶印油墨设计，应用于烟包金色装饰区域，同时用于化妆品包装、礼品盒烫金替代印刷等场景。 Designed specifically for UV offset inks, primarily used for gold decorative areas on cigarette packs. Also suitable for cosmetic packaging, cold foil printing for gift boxes.

03 UV 油墨用镜面银 Vacuum Metallized Pigment

型号Grade	目数Mesh Size	色相Color	铝含量Aluminium Content	载体含量Carrier Content
9206F	6μm	黑亮Black Bright	10-18%	82-90%
9307F	7μm	白亮White Bright	10-18%	82-90%

核心成分 Main Compositions	由 10-18% 铝与 82-90% UV 单体组成，成分搭配聚焦镜面效果与 UV 固化适配性。 It is composed of 10-18% Aluminium and 82-90% UV monomers, which brings the brilliant mirror effect and UV curing compatibility.
产品特性 Product Characteristics	◆ 高镜面清晰度：铝成分经过特殊处理，配合UV单体的高透明性，印刷后可呈现类似镜面的反射效果，清晰度高，无雾感。 ◆ 快速固化：该单体作为UV体系常用活性稀释剂，可加速油墨固化速度，提升印刷生产效率。 ◆ 光泽持久：成分稳定性强，镜面效果不易因时间推移而衰减，长期保持明亮通透。 ◆ 流平性好：在油墨中易流平，印刷后无橘皮纹、针孔等瑕疵，保障镜面效果完整性。 ◆ High Mirror Clarity: Specially treated aluminum combined with the high transparency of UV monomers produces a mirror-like reflective effect after printing, with high clarity and no haze. ◆ Fast Curing: As a common reactive diluent in UV systems, the monomer can accelerate ink curing speed and improve printing production efficiency. ◆ Durable Luster: Strong component stability ensures the mirror effect is not prone to degradation over time, maintaining brightness and transparency for a long time. ◆ Good Leveling Property: Easy to level in inks, with no defects such as orange peel and pinholes after printing, ensuring the integrity of the mirror effect.
适用场景 Applications	适配 UV 胶印油墨工艺，用于烟包镜面效果印刷(如局部镜面 LOGO、装饰条)，也可用于高端酒包装、电子产品外壳印刷。 It is adapted to the UV offset printing, mainly used for mirror effect printing on cigarette packs (such as partial mirror effect logos and decorative strips). It can also be used for printing on high-end wine packaging and electronic product casings.

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UV 油墨用金属颜料系列产品介绍Metallic Pigment Series for UV INKS

04 UV油墨用镭射银 Holographic Aluminium Pigments

型号Grade	粒径Particle Size	铝含量Aluminium Content	载体含量Carrier Content
010F	10μm	10-15%	85-90%
020F	20μm	10-20%	80-90%
035F	35μm	10-20%	80-90%

核心成分 Main Compositions	含10-20%铝与80-90%UV单体，铝成分经过镭射化处理，与单体协同保障镭射效果与工艺适配性。 This advanced product is a synergistic blend of 10-20% laser-engraved aluminium and 80-90% UV monomer. This specific ratio is critical: the holographic aluminium provides the dazzling visual effect, while the tailored monomer vehicle ensures seamless integration into your UV ink systems, guaranteeing both stunning aesthetics and reliable manufacturing performance.
产品特性 Product Characteristics	◆ 镭射效果鲜明：高比例铝为镭射基底，配合特殊工艺，印刷后呈现强烈的镭射光泽，视角不同时可展现多彩光变效果，防伪性强。 ◆ 固化效率高：该单体优化UV油墨固化性能，确保镭射银颜料印刷后快速固化成型，不影响后续加工工序。 ◆ 耐摩擦性强：固化后形成的涂层硬度高，抗刮擦、耐摩擦，避免运输或使用过程中镭射效果受损。 ◆ 兼容性广：可与不同型号UV胶印油墨混合使用，不改变油墨原有性能，适配多种承印物(如纸张、薄膜)。 ◆ Distinctive Holographic Performance: Utilizing a high-loading aluminium substrate and a proprietary manufacturing technique, this pigment produces a pronounced holographic luster in prints. The visual output exhibits a vivid color-shifting phenomenon dependent on the observer's angle, thereby ensuring strong anti-counterfeiting capabilities. ◆ High Curing Efficiency: The monomer can optimize the curing performance of UV inks, ensuring that the holographic aluminium pigment cures and forms quickly after printing without affecting subsequent processing procedures. ◆ Strong Abrasion Resistance: The cured coating has high hardness, scratch resistance and abrasion resistance, avoiding damage to the laser effect during transportation or use. ◆ Wide Compatibility:It can be mixed with different types of UV offset inks without changing the original printing performance of the inks, and is suitable for various substrates (such as paper and films).
适用场景 Applications	用于 UV 胶印油墨的烟包防伪印刷(如镭射防伪标识、光变图案)，同时可应用于高端化妆品包装、奢侈品包装盒的防伪与装饰印刷。 Mainly used for anti-counterfeiting printing of cigarette packs with UV offset inks (such as laser anti-counterfeiting marks and Optically Variable Pattern). It can also be applied to anti-counterfeiting and decorative printing of high-end cosmetics packaging and luxury gift boxes.

核心优势

Core Advantages

- 1.工艺适配性强：所有产品均针对 UV 胶印油墨研发，成分与 UV 体系高度兼容，不影响油墨固化速度、流平性与印刷流畅度，降低生产适配成本。

2.品质稳定可靠：成分比例经过反复验证，批量生产中严格控制杂质含量，确保每批次产品光泽、附着力、耐候性一致。

3.场景针对性足：四大品类分别聚焦银色、铜金色、镜面、镭射核心金属效果，精准匹配烟包等高端包装的多样化设计需求。

4.环保性能达标：所用原料均符合环保标准，无有害物质释放，满足高端包装对环保性的要求。
- 1.Strong Process Compatibility: All products are developed for UV offset inks, with high compatibility for the UV system. They do not affect the ink curing speed, leveling property and printing fluency and will reduce production adaptation costs.

2.Stable and Reliable Quality: The component ratio has been repeatedly verified, the impurity content is strictly controlled in mass production, and it demonstrates high consistency in gloss, adhesion, and weatherability across different batches.

3. Targeted Scenarios: The four categories focus on four core metal effects: silver, copper-gold, mirror and holographic, accurately matching the diverse design needs of high-end packaging such as cigarette packs.

4.Compliance with Environmental Standards: The raw materials used meet environmental standards, with no release of harmful substances, meeting the environmental requirements of high-end packaging.

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