



# PA Series PVC Joint Screen Printing Ink

## 【Printing materials】

PVC plastics, PVC artificial leather, PVC adhesive, PVC blow molding products, etc

## 【Physical characteristics】

- ❖ Light, bright color, fast drying, flexible, rub resistant, alcohol resistant, low color migration, strong anti-blocking ability
- ❖ It is especially suitable for blow molding toy printing and has excellent high frequency joint performance
- ❖ Comply with PAHS type II environmental protection requirements.
- ❖ Surface drying time : natural evaporation at room temperature (25 °C), natural evaporation: 6-10min  
Dry time: natural evaporation at room temperature (25 °C) ,(normal temperature)  
4 - 8h

## 【Mesh count】

100-300 mesh

## 【Diluent】

KTS-718 (fast drying), KTS-719 (medium dry), KTS-783 (slow dry), recommended addition 10-15%

## 【How to use】

- ❖ Before use, the diluted ink should be fully stirred and sealed after use
- ❖ In multi-color overprint, the surface should be dry before printing the next color
- ❖ Color matching can only use this series of ink to mix with each other, and can not mix other types of ink

## 【Precaution】

- ❖ The matching of ink and substrate material must be checked before production.  
There may be differences between different manufacturers or different batch



numbers of the same manufacturer. Therefore, it is recommended to make trial printing and evaluate its adhesion before mass production

- ❖ If the residual plasticizer on the surface of the plastic affects the ink adhesion, white spirit can be used for cleaning before print
- ❖ When printing soft PVC, beware of blocking issue
- ❖ If you need to do high-frequency bonding, you must choose PA non-conductive ink (for black colour choose insulative black, gold and silver choose insulative gold and silver)
- ❖ When printing high concentration toner colors, frequent bonding (such as white, cyan, fluorescent, gold and silver) is required. Pay attention to the bonding strength. It is suggested to adjust the power of high frequency machine or add appropriate PA-110 varnish. The batch production can be carried out only after the bonding requirements are met
- ❖ The ink is stored for a long time or the ambient temperature is low, if the gel is produced, it is necessary to add appropriate diluent and stir it evenly before printing. Mass production can only be carried out after confirming that the adhesion and effect are correct
- ❖ Ink film should be dried completely before shipping out
- ❖ Slow drying diluent should be used for printing fine lines or patterns

### 【Base colour】

Serial Number	Hue	Environmental Grade	Serial Number	Hue	Environmental Grade
PA-102	White	A	PA-306	Fast red	A
PA-104	Special White	A	PA-308	Peach	A
PA-110	Varnish	A	PA-401	Purple	A
PA-203	Yellow	A	PA-403	Blue	A
PA-206	Lemon Yellow	A	PA-404	Ultramarine	D
PA-209	Medium Yellow	A	PA-408	Turquoise Blue	A
PA-300	Rose Red	A	PA-500	Insulation Black	A
PA-302	Big Red	A	PA-501	Black	A
PA-304	Rright Red	A	PA-601	Green	A
PA-305	Orange Red	A			



#### 【4 toner】

Serial Number	Hue	Environmental Grade	Serial Number	Hue	Environmental Grade
PA-M900/1	Base Red	A	PA-Y900/1	Base Yellow	A
PA-B900/1	Base Blue	A	PA-K900/1	Base Black	A
PA-E900/1	Base Varnish	A			

#### 【Fluorescent color】

Serial Number	Hue	Environmental Grade	Serial Number	Hue	Environmental Grade
PA-131	Fluorescein	A	PA-148	Fluorescent Blue	A
PA-133	Fluorescent Red	A	PA-159	Fluorescent Pink	A
PA-1314	Fluorescent Orange	A	PA-161	Fluorescent Purple	A
PA-140	Fluorescent Green	A			

#### 【Environmental information】

- ❖ According to SGS and CTI testing for many years, the basic colors of this series (except PA-404 ultramarine,) meet the environmental requirements of ROHS, EN71-3, ASTM-F963, HR4040 and other environmental protection requirements, meeting the "Bauhinia environmental protection A level", However, in order to ensure that the products are not contaminated during transportation, customers are advised to carry out corresponding environmental protection testing and performance testing before use, and then batch use them after confirmation
- ❖ The base color of this series can meet the requirements of PAHS class II environmental protection. However, before use, it is necessary to confirm the ink model conforming to the second limit of PAHS, and match with the solvent conforming to PAHS. Only when the finished product is printed can it meet the requirements of PAHS. Therefore, please confirm with the technical department or the seller before using, so as to avoid the loss caused by misunderstanding. Our company's matching diluents are PA-T102 (fast drying), PA-T104 (slow



drying), adding proportion is generally recommended to be 10-15%

### **【Precautions for storage and use】**

The ink should be placed in a cool place. The ink can be stored for 24 months at room temperature at 25 °C. The gold and silver ink can be stored for 6 months. If the ink is more than 6 months, it is necessary to try printing and reconfirm the brush quality. According to the standard health regulations and safety regulations, the use of this product should not be harmful to human body. However, like other general chemicals, the skin and eyes should also be avoided when using this product. If it is splashed, it should be washed with plenty of water and treated. See MSDS for details.

### **【Disclaimer】**

The data shown in this document is based on actual production and test result generated within our company. Above data is only for reference and does not bear any legal guarantee responsibilities. Whether actual ink performance can meet user's requirement depends on application conditions and substrate etc. We suggest that users should access whether current production conditions meet the application requirement of each product before printing. Since we cannot control the actual application and storage conditions, we cannot guarantee the final product performance. All product sales subject to our standard sales terms and conditions.