



## 139A Series Medium Gloss PET Ink

### 【Printing substrate】

PET, PA(NY), PBT, ABS and metal coating

### 【Physical properties】

- ❖ Product comply with GB 38507-2020 VOCs requirement
- ❖ Medium gloss, soft ink film, good opacity
- ❖ Adequate alcohol and gasoline resistance
- ❖ To increase adhesion and printing range, 10% of curing agent GP-1015 can be added. After addition the ink must be used within 6 hours, the actual effective time depends on RH, temp. and dilution
- ❖ The pigment used in yellow ink is high temp. resistant, no colour change or migration between 100-150 °C. Product codes are P100NT/LF, Y100NT/LF, S100NT/LF
- ❖ Product series include Halogen and Pahs type 2 regulated version
- ❖ Surface dryness: ambient temp. (25 °C) natural evaporation, 30-40 min; oven (60-80 °C) 5-10 min

Complete dryness: ambient temp. (25 °C) natural evaporation, 24 hr; Addition of curing will decrease surface drying speed, recommended to use 60-80 °C oven to bake for 30 min and place for 24 hr before testing adhesion and other resistance

### 【Colour code】

Code	Hue	Eco-friendly grade	Code	Hue	Eco-friendly grade
139A-P100NT/LF	pale yellow	A1	139A-UA100	cyan	D
139A-Y100NT/LF	gold yellow	A1	139A-B100	blue	A1
139A-S100NT/LF	cobalt red	A1	139A-G100	green	A1
139A-R100	red	A1	139A-K100	black	A1
139A-R133	vivid red	A1	139A-W100	white	A1
139A-M100	rose red	A1	139A-195	varnish	A1
139A-PM100	magenta	A1	139A-M808	silver	D
139-V100	Purple (contain halogen)	A	139A-M809	silver	D
139A-V100/HF	purple	A1			



Note: 139-V100, 139-G100 is tested to contain halogen, respective halogen free version are 139A-V100/HF and 139-G100/HF. Because raw material used in 139A-V100/HF is expensive, the supply of this model is not stable currently

### **【Mesh count】**

For detailed print, recommended to use mesh count 300 screen. For large surface and high opacity required, please use mesh count 200 screen

### **【Diluent】**

- ❖ In order to comply with halogen requirement, please ensure to use halogen free ink model and respective solvent. Our halogen free solvent are KTS-5000 (mid drying speed), KTS-783 (slow drying), PA-T104(slow drying), addition amount recommended to be 10-15%
- ❖ In order to comply with Pahs cat. 2 requirement, please ensure to use ink and solvent that can comply with Pahs cat. 2 requirements. If unsure please contact us. Our solvents are PA-T102 (fast drying), PA-T104(slow drying), recommended addition amount 10-15%

### **【Curing agent】**

GP-1015 can improve adhesion, addition amount <10%. Package 0.1KG/SW 100g plastic bottles

### **【Cleaning】**

Can use KTS-3000 screen cleaning solution for screen and squeegee cleaning

### **【Precaution】**

Regarding product that are not tested by SGS, CTI-ROHS, halogen, Pahs, they might not be able to comply with relevant environmental regulation, if unsure please contact us. It is recommended for the customer to assess whether the ink product is polluted during transportation and test if necessary before use

### **【Environmental performance】**



According to SGS and CTI testing, above apart from 139A-UA100 cyan, 139A-M808 silver and 139A-M809, all comply with ROHS, EN71-3, ASTM-F963, HR4040 environmental requirement, it also comply with “Bauhinia Variegata eco-friendly category A”

### **【Storage】**

Ink should be stored in cool places, ink can be stored under ambient temp. for 24 months, gold and silver ink can be stored for 6 months, please check quality of ink before use. When use under standard EHS rules this product should not be harmful to human body, like other typical chemicals when using this product please avoid touching skin and eyes, if touched please wash it with water and seek medical attention. See MSDS for more.

### **【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.