



43 series screen printing ink (treated PE&PP)

【Printing substrate】

- ❖ On a polyethylene (PE) plastic bottle with surface treated.
- ❖ Polypropylene (PP) material with surface treated.

【Physical characteristics】

- ❖ High gloss, suitable for silk screen and pad printing.
- ❖ If the surface of the polyethylene bottle is properly treated, the ink will have good adhesion and good resistance to bleach, detergent, and machine oil. However, this good performance will be reached after twenty-four hours in ink printing.
- ❖ The polyethylene bottle with surface flame treatment should be printed within two hours to ensure the ink has good adhesion. If the flame treatment is too much, the adhesion of the ink will increase but the resistance to chemicals will be weakened.
- ❖ This series of inks have poor resistance to hair wax, alcohol, aromatic oils or perfumes. If you need to load the above products, please try to add 10% curing agent 43-C191 to the ink when printing.
- ❖ Surface drying: 25°C x 20-30min or 60°C x 5-8min
- ❖ Complete drying: 25°C x 24 h or 60°C x 25-30min After 24 hours, the ink film hardness reaches the best.

【Basic color】

Code	Color	Environmental protection level	Code	Color	Environmental protection level
43-P100NT	Light yellow	A	43-V100	Purple	A
43-Y100NT	Golden yellow	A	43-UA100	Ultramarine	D
43-S100NT	Orange red	A	43-B100	blue	A
43-R100	Red	A	43-G100	green	A
43-R133	Bright red	A	43-K100	black	A
43-M100	Rose red	A	43-W100	White	A



43-PM100	Pink	A	43-195	Varnish	A
			43-M809	Silver	D

【Dilution】

KTS-7000 (medium dry), KTS-7200 (slow dry), the recommended proportion of addition is generally 10-15%.

【Curing Agent】

43-C191, add 10%, can improve adhesion and resistance performance, configuration: 0.1KG/SW Packing: 100g plastic small tin

【Mesh】

300 mesh screen is recommended for fine printing, and 200 mesh screen can be used when printing large areas and high hiding is required.

【Washing】

KTS-3000 screen washing water can be used to clean the screen and squeegee.

【Environmental performance】

According to SGS and CTT's many years of testing, the basic colors of this series (except 43-UA100 ultramarine, 43-M809 silver) meet the environmental protection requirements of ROHS, EN71-3, ASTM-F963, HR4040, and meet the "Bauhinia Environmental Protection Level A", but in order to ensure that the product is not polluted during transportation and use, it is recommended that customers conduct corresponding environmental protection inspections and performance tests before use, and only use them in large scale after confirming that they are correct.

【Precautions for storage and use】

Place the ink in a cool place and store at room temperature 25°C for 24 months. Gold and silver ink can generally be stored for 6 months. If it exceeds 6 months, try printing to reconfirm the printing quality. Using this product in accordance with standard health regulations and safety regulations should not be harmful to the human body, but just like other general chemicals, avoid skin and eyes from being contaminated when using this product. If splashed, rinse with plenty of water. And for treatment, 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.