



GDZ6*S Surface Print Ink

【Main components】

- ❖ Resin: Polyamide/ nitrocellulose
- ❖ Solvent: Alcohol/ ester
- ❖ Additive: Synthetic wax
- ❖ Pigment; Organic/ Inorganic Pigment

【Application】

- ❖ Printing substrate: Surface tension \geq 38 dyne PE and PP
- ❖ Packaging type: Light packaging, personal hygiene product packages
- ❖ Printing speed: 30~150 m/min

【Product description】

- ❖ Good stability, no separation, no loss of tint and no gelation during storage
- ❖ Good compatibility with different solvent ratio mix
- ❖ Good solvent release, low odor and low solvent residue
- ❖ Glossy, smooth, good anti blocking, good scratch resistance, good shallow cell ink transfer performance

【Dilution】

Drying Speed solvent	fast	medium	slow
Methyl cyclohexane	30	30	30
IPA	40	40	40
Ethyl acetate	30	-	-
n-propyl acetate	-	30	20
Butyl acetate	-	-	10

【Storage and safety】



- ❖ Flammable, ensure good ventilation in working area
- ❖ Use and store the product in 0-40 °C environment
- ❖ Avoid skin and eye contact, please refer to MSDS

【Operation】

- ❖ Add solvent while stirring to avoid pigment agglomeration due to rapid dilution
- ❖ Using ink dispenser can avoid ink surface from forming peel which will affect colour hue
- ❖ Add small amount of ink each time to maintain higher ink stability
- ❖ Check particle size of used ink before use. Filter the ink with mesh count 200 filter screen and blend 10-30% with new ink when used.

【Precautions】

- ❖ Dilution ratio varies with different printing speed. Excess dilution will cause thin dried ink film which will decrease rub and scratch resistance. Use varnish to decrease ink concentration
- ❖ Ink will set when temp. is below -5 °C, the ink can be melted with hot water or steam (around 20 °C) and can be used again. Avoid naked flame
- ❖ Varnish contains nitrocellulose resin which will react with gold powder and cause gelation. Use specialized varnish when printing with gold ink
- ❖ If packages surface contain grease or VOC, it might soften dried ink film and cause tacky problem
- ❖ When printing in humid temp. use slow drying agent, provide hot air and light to avoid black ink from ‘fogging’
- ❖ Product should not be used for lamination and heat sealing
- ❖ Above data are obtained by our company, result might vary when using different substrate and printing process, please check before production

【Disclaimer】

This specification is in accordance with the actual production and test results, whether the product could meet your process requirements depends on application conditions and printed material. We recommend the users to assess if the product can meet all their requirements before production. Since we cannot predict or control your printing condition, the product performance cannot be guaranteed all sales are subjected to the standard terms and conditions of the sales control division.