

明輝化工實業有限公司

MIN FEI CHEMICALS INDUSTRIES CO., LTD

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S Series Inks

Characteristics

1. Excellent printing workability which is suitable for fine printing.
2. Printed membrane has excellent extensibility which is suitable for post-processing.
3. The printed membrane is flat due to excellent deformability.
4. Excellent color stability which prevents color changes after long-term storage.
5. S series, belonging to half glossy screen inks, has even glossy and delicate colors.
6. The drying condition is 80 °C 30 min. (If an additional paste is coated on the surface of printed film, it is recommended be dried at ambient temperature for more than 6 h additionally)

Applications

Polyester and Al substrates

Usage

Dilute S series screen inks with slow drying or S-fast drying solvent at 10-20 % prior to printing.

General properties

S series white screen ink was printed through 300 threads / in² mesh on PET transparent materials and then was dried at 100 °C for 80 s prior to measurement.

Test items	Test methods	Results
Adhesion	Cross-hatch tape test	100/100
Hardness	Pencil hardness test (Liberty 4H pencil)	Little scratch
Weather resistance	Sunshine Weather-O-Meter for 700 hours	N.P.
Alcohol resistance	50 rubs with 99.5 % ethanol	N.P.
Alkaline resistance	Immersion in 5 % NaOH _(aq) for 48 hours	N.P.
Acid resistance	Immersion in 5 % H ₂ SO _{4(aq)} for 48 hours	N.P.
Abrasion resistance	500 double rubs with eraser with 500 g load	Little scratch but no effect on adhesion

Color and packing

Standard 19 colors, transparent 1 color, fluorescent 6 colors, gold 8 colors, silver 11 colors, pearl 2 colors are available. 1-5 kg/bottle.

Expiration date

One year after shipment or six months after opening

Precaution and announcement

1. S series, confirmed by SGS, have passed RoHS certification.
2. We have passed ISO 14001 certification.