

明輝化工實業有限公司

MIN FEI CHEMICALS INDUSTRIES CO., LTD

新北市土城區大安路 138 巷 32 號
No.32, Ln. 138, Da'an Rd., Tucheng Dist., New Taipei City
23673, Taiwan



TEL:(02)2269-2527
FAX:(02)2269-1802

PC Series Inks

Characteristics

1. Excellent printing workability which is suitable for fine printing
2. PC series has even glossy and delicate colors. (Special type inks have extremely high light shielding stability.)
3. Low viscosity and high solubility to other PC series which reduces the color blending time.
4. Excellent color stability which prevents color changes after long-term storage.
5. PC series could be blended with AS series screen inks
6. Various types of white colors, black colors, silver colors and others with various drying rate are available depending on the printing area and the light shielding requirement.
7. The drying condition is 70 °C 15 min or ambient temperature 8-12 h. (If an additional paste is coated on the surface of the printed film, it is recommended to be dried at ambient temperature for more than 6 h additionally.)

Applications

PC substrates and plastic extrusion

Usage

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

General properties

PC series white screen ink was printed through 300 thread / in² mesh on PC substrates prior to measurement.

Test items	Test methods	Results
Adhesion	Cross-hatch tape test	100/100
PC series are reverse-side-coating screen inks, hence no test below was conducted.		
Hardness	Pencil hardness test (Liberty 4H pencil)	N.D.
Weather resistance	Sunshine Weather-O-Meter for 700 hours	N.D.
Alcohol resistance	50 rubs with 99.5 % ethanol	N.D.
Alkaline resistance	Immersion in 5 % NaOH _(aq) for 48 hours	N.D.
Acid resistance	Immersion in 5 % H ₂ SO _{4(aq)} for 48 hours	N.D..
Abrasion resistance	500 double rubs with eraser with 500 g load	N.D.

Expiration date

One year after shipment or six months after opening.

Color and packing

Standard 18 colors, transparent 2 colors, fluorescent 6 colors, gold 8 colors, silver 11 colors, pearl 2 colors are available. 1-5 kg/bottle.

Precaution and announcement

1. When printing in the high temperature condition or conducting the fine printing, addition of 5-10 % of diffusion-preventing gel and ultra-slow drying gel is recommended.
2. PC series, confirmed by SGS, have passed RoHS certification.