

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., Thcheng Dist., New Taipei City
23673, Taiwan



TEL : (02) 2269 - 2527

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MT Series Inks

Characteristics

1. MT series belongs to polyester screen inks with very high vaporization rate.
2. The mesh does not get blocked in the short time after printing which increases the printing time.
3. High vaporization rate which reduces the air drying time.
4. Excellent adhesion to PET substrates and several kinds of substrates.
5. Excellent elasticity which makes it suitable for transfer printing, also.
6. No silicon is present, so the occurrence of the orange peel effect in UV ink coated on MT series inks' surface is prevented.

Applications

PET, PC and self-adhesive label substrates

Usage

Dilute MT series screen inks with PMA solvent to proper viscosity prior to printing.

General properties

MT series white screen ink was printed through 250 threads / in² mesh on PET substrates prior to measurement.

Test items	Test methods	Results
Adhesion	Cross-hatch tape test	100/100
Hardness	Pencil hardness test (Liberty 4H pencil)	N.P.
Alcohol resistance	300 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	N.P.

Color and packing

Standard colors and a transparent color. 1-5 kg/bottle.

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Comparison with other brand's inks

Test items	MINFEI MT series ink	Company J's ink	Company S's ink
Air drying time	○	◎	△
Adhesion	◎	○	◎
Hardness	○	○	△
Elasticity	◎	△	◎
Repeat printing time ¹	◎	◎	△
Alcohol resistance	◎	◎	△
Alkaline resistance	◎	◎	◎
Acid resistance	◎	◎	◎
Abrasion resistance	◎	○	○
Odor ²	○	△	○
Observation of surface coated UV ink ³	◎	◎	△

1. Non-flood coat printing through a 250 threads / in² mesh with 15 s interval.

2. Odor results are tested by direct smelling and could differ from person to person.

3. Observing if fisheye effect appeared in coated UV ink.

Announcement

1. We also offer MJ-White whose air drying time is shorter.
2. No prohibited substances such as CAC are contained.

This technical data sheet has been created based on MINFEI CHEMICALS INDUSTRIES CO., LTD's technical knowledge and test conditions, but does not necessarily guarantee performance in all applications. Only use this product after fully examining their applicability. Contact us if you have any questions.