

English Version (Japanese Translation)Post-Order Production

screen ink

Functional Ink "JELCON"

Masking ink

Functionality Temporary protective coat Masking | water-based type

JELCON MS

This is a water-based masking ink that protects the surface of plastic through screen printing and is easy to peel off after screening.

Product Features

- It uses water-soluble resin, allowing you to use any mesh plate.
- Despite being water-based, it offers good leveling and reproducibility.
- It has excellent barrier properties and excellent shielding against organic solvents.

Features

post-exfoliative

print reproducibility

water solubility

film strength

leveling ability

Endurance

solvent resistance

Recommended Printed Materials

Material

General plastic

Plastic

Surfaces treated with metal, glass, ceramics, and hard coatings

metallic base

Color & Grade

Functional Ink Colors

 Blue

 clear

 brown color

Specifications

Lotus form
1kg Poly Bottle

How to use

- Do not dilute it; use as is.

print edition

mesh	Cleaning	Recommended Printing Film Thickness
not ask To achieve tensile strength, 170 mesh or less is required.	Warm water, etc. The dried film dissolves in water.	thick

Curing Method & Conditions

Drying conditions: about 10 seconds (warm air drying at 80~100° C)

* If the following conditions are met

- T-250 mesh single-print, film thickness 2 μ m
- T-250 mesh double-print, film thickness 4 μ m
- T-170 mesh single-print with a thickness of 6 μ m

Test data (environment, physical properties, weather resistance, performance, etc.)

Conditions

Inks Used	MS-03 Blue
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Results

Test Items	Test Method	Results
non-volatile content		30 $\pm$ 3%
viscosity	25° C, Brookfield HADV-I	4500 $\pm$ 1300mPa·s
heat resistance		100° C~150° C: Good Above 200° C: Decomposition
solubility		Water: dissolved Organic solvent: insoluble
moisture resistance		Stickiness develops
compatibility	water-soluble resin	to be compatible
	Other resins and plasticizers	not compatible
blocking resistance	100° C, 1 hour, 1kg/18cm ²	Do not block

Notes

- Please use a plate with good water resistance.
- If the dry film is left in high humidity, it becomes sticky and the film breaks easily, reducing its peelability.
- As a protective film for the material, a layer of 4 μ m or more is sufficient for good peeling, but when layering with other inks, it is best to
Please make the film thick.
- When printing another ink on the film, the ink and diluent are mixed with alcohol-based or glycol ether-based
Avoid products containing absorbent solvents.
- For safety precautions when using the product, please refer to the product's Safety Data Sheet (SDS).
- The contents provided in this information may be changed or revised without prior notice.
- This characteristic data is based on the evaluation results conducted by our company and
does not guarantee the product's characteristics during customer use.
- When using the device, please thoroughly consider the conditions based on the evaluation results of the equipment
and substrate actually being used.