

Technical Data Sheet

Silicone Ink - Matte product

- **Product Overview**

SJS-3880 is a product developed as a silicone ink for textiles and for automatic printing machines.

- **Characteristics**

- The SJS-3880 does not cure as fast as compared to regular products, so it is suitable for continuous operation in automatic machines.
- The ink is soft and goes down well on the screen mesh.
- The curability is good.
- Its elasticity makes it suitable for printing on highly elastic fibers.

- **Typical Properties**

Test item	Unit	Value
Viscosity	Cps	97,000~130,000
Hardness	Shore A	30~33
Tensile Strength	MPa	3.3~4.0
Elongation	%	600~700

* The viscosity may differ depending on the color

- **Mixing Ratio**

- SJS-3880(Silicone ink) : CAT-5000(Catalyst) = 100 : 5
- SJS-3880(Silicone ink) : CAT-6000(Catalyst) = 100 : 3

* During the morning time, we recommend that you put a little more catalyst than the recommended amount due to the low heat in the pallet.

- **Product Color**

MATT BASE	CY GREEN
BASE	VIOLET
WHITE	ORANGE
BLACK	FL.YELLOW
O.YELLOW	FL.ORANGE
LEMON YELLOW	FL.RED
O.RED	FL.PINK
SCARLET	FL.MAGENTA
O.BLUE	FL.VIOLET
UL.BLUE	FL.GREEN
CYAN BLUE	FL.BLUE
MARINE BLUE	

- **How to use**

- Mix the catalyst in the amount of silicone to be used for 30~40 minutes in the silicone ink according to the mixing ratio. (100: 3~5 = Silicone ink : Catalyst)
 - * Appropriate use is recommended considering the pot life. If you prepare too much ink with a catalyst mixed in, it may harden during use.
- Pot life increases and decreases depending on the amount of curing agent and the effect of the surrounding temperature.
 - * If the amount of catalyst is high, the pot life will be shortened.
 - * Even if you use the same amount of catalyst, the higher the surrounding temperature, the shorter the pot life.

- **Use Cautions**

- Possible cure inhibitors are substances which contain sulfur, phosphorus, nitrogen compounds, water and organometallic salts.

[Specific examples of cure-inhibiting substances]

- Organic rubber(natural rubber and synthetic rubbers such as chloroprene rubber, nitrile rubber and EPDM)
- Soft polyvinyl chloride resin
- Amine-hardening epoxy resin
- Isocyanates of urethane resin
- Rubber clay and oil clay
- Some adhesive tape bonding agents, adhesives, paints (such as polyester paints), waxes, solder fluxes and pine resin
- Curing problems also occur with rubber pads, glued fabrics, and jeans
- If pigments or products other than our products are mixed, curing failure may occur.

- **Usage Period and Storage Method**

- Use within one year from the date of manufacture.
- Avoid direct sunlight and store in a dry, cool, breathable place.
- Keep out of reach of children.

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