

# Silicone Marking Ink

## SILMARK-TM (colorless, transparent)

### 1 Features, Curing Conditions

- 1) SILMARK-TM is a marking ink that can be used for printing on silicone rubber moldings, or as a clear coat material.
- 2) Cures at 150 °C×10 min, or 200 °C×5 min, and exhibits excellent adhesion to moldings.
- 3) Pigments can be added to SILMARK-TM for a wide array of printing options.

### 2 Blending recipe

SILMARK-TM	100 parts by weight
CAT-TM	8.0 parts by weight
CAT-PL-2	0.3 parts by weight
Pigment	As needed

\* To adjust viscosity, add toluene, xylene, etc.

### 3 Instructions for use

- 1) If using pigment, first mix the desired pigment with SILMARK-TM until evenly dispersed.
- 2) Prior to use, weigh out the prescribed amount of CAT-PL-2 and disperse well in the ink.
- 3) Add the prescribed amount of CAT-TM, mix until dispersed, and perform marking.
- 4) The product remains usable (at room temp.) for about one day, so you should only mix up the amount to be used that day. After mixing, use promptly for best results.

### 4 Handling precautions

- 1) Handle in a well-ventilated area.
- 2) Avoid contamination by alkalis, amines, phosphorus, cadmium and tin compounds as these may cause poor curing. When selecting a pigment, avoid those whose ingredients include the compounds listed above.
- 3) Contact with water, alcohols, alkalis, acids, strong oxidizers, catalytic metals or metallic compounds may cause a chemical reaction that releases hydrogen gas.
- 4) Be sure to read the Safety Data Sheets (SDS) for these products before use. SDS are available from the Shin-Etsu Silicone website. If the SDS is not listed on the website, please contact the sales department.

SDS download URL :

<https://www.shinetsusilicone-global.com/support/sdstds/>



### 5 Packaging

1 kg (can), 15 kg (can)

#### CAUTION

- The data and information presented in this catalog may not be relied upon to represent standard values. Shin-Etsu reserves the right to change such data and information, in whole or in part, in this catalog, including product performance standards and specifications without notice.
- Users are solely responsible for making preliminary tests to determine the suitability of products for their intended use. Statements concerning possible or suggested uses made herein may not be relied upon, or be construed, as a guaranty of no patent infringement.
- For detailed information regarding safety, please refer to the Safety Data Sheet (SDS). Please download the SDS from our website. If the SDS is not listed on the website, please contact the sales department.  
SDS download URL: <https://www.shinetsusilicone-global.com/support/sdstds/>
- The silicone products described herein have been designed, manufactured and developed solely

- for general industrial use only; such silicone products are not designed for, intended for use as, or suitable for, medical, surgical or other particular purposes. Users have the sole responsibility and obligation to determine the suitability of the silicone products described herein for any application, to make preliminary tests, and to confirm the safety of such products for their use.
- Users must never use the silicone products described herein for the purpose of implantation into the human body and/or injection into humans.
- Users are solely responsible for exporting or importing the silicone products described herein, and complying with all applicable laws, regulations, and rules relating to the use of such products. Shin-Etsu recommends checking each pertinent country's laws, regulations, and rules in advance, when exporting or importing, and before using the products.
- Please contact Shin-Etsu before reproducing any part of this catalog. Copyright belongs to Shin-Etsu Chemical Co., Ltd.