



AUTOMARK TECHNICAL DATA SHEET

BAKE SILICONE PAD PRINTING INK

Product Description

The Automark Bake Silicone Pad Printing Ink is supplied in a pasty form and is a two component ink suitable for pad printing and screen printing. It cures to become silicone with exposure to heat. With the silicone ink you can print on any items made of silicone including but not limited to silicone wristbands, cellphone cases, swim caps, keypads, and many other type of popular promotional items made of silicone rubber. The silicone ink has two types of finish including high gloss and matte. Our Automark Silicone ink line is abrasion resistant, waterproof and heat resistant.

Technical Parameter

Component: Component A and Component B

Component A: Ink

Component B: AM-SiBH: Hardener for bake required silicone ink

Appearance: Pasty form

Solvent: AM-SiT: Automark Silicone Ink Thinner

Specific Gravity: 1.05

Strength: 55000±5000 MPa-s

Color: Any color

Usage

- 1.Clean the surface of silicone products. Clean surfaces with IPA 70-90%.
- 2.Mix 4% AM-SiBH with ink. Let sit for 3 minutes. For pad printing add up to 35% AM-SiT. Screen printing typically does not require thinner. All percentages are by weight.
- 3.Pour the thoroughly mixed ink in your ink cup and let sit for 3 minutes or on the screen printing plate. Print products.
- 4.Let the printed silicone products rest for 5~10 minutes, allowing the solvent of the ink to volatilize.
- 5.Two kinds of baking methods :
 - Bake Ink Oven: Baking at 180°C for 3~5 minutes.
 - IR strip: Baking at constant temperature 248°F for 8~10 minutes.

Shelf Life

6 months at 59-68 °F (15-20°C)

Pot Life

8 hours when mixed with catalyst.

Packaging

1KG/Bottle

Attention

- 1.To achieve ideal adhesion of ink to silicone rubber, make sure you clean the silicone rubber surfaces to remove dirt or dust using IPA to remove any contaminants or residual oils. Sand paper can be used to remove any coatings that affect adhesion.
- 2.Lowering the amount of catalyst renders ink difficult or impossible to dry during baking process.

[MORE INFO](#)

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