



Print-On Silicone Ink®

Multiple Colors and Applications

Technical Data Sheet

Description

Print-On Silicone Inks® are designed for pad printing and screen printing. Spraying, brushing, dipping and other methods of application are possible by altering the viscosity of the ink. Silicone Ink is for printing primarily on silicone parts and also for textiles.

Mixing And De-Aeration

Print-On Silicone Ink® is supplied with a matched quantity of Print-On Silicone Ink Drier (catalyst). The required mix ratio is ten parts by weight of ink to one part by weight of drier. Because pigments can settle during storage is suggested that the Print-On Silicone Ink® be stirred before use. Add the drier into the ink to assure complete dispersion. Mixing may be done by hand with a spatula or by machine. When machine mixing avoid prolonged high speeds. Avoid stirring in an excessive amount of air.

Working Time

After mixing, the ink will remain useful for approximately 24-hrs at room temperature. Placing the material in a closed container in a cool (below 50°F) environment will extend the mixed pot life. The separate components may be stored in closed containers up to one year at room temperature (72°F).

Thinning

If the mixed viscosity is too thick for a specific application, Print-On Silicone Ink® Diluent is available to custom alter the viscosity for a specific application. Print-On Silicone Ink® Diluent is environmentally friendly. It has zero VOC and will not adversely effect the adhesion of the system.

Drying

Heat creates adhesion; Print-On Silicone Ink® can be dried at

- 250°F (121°C) for 5 minutes with standard ink drier.
- 300°F (149°C) for 3-4 minutes also works for most applications.

Colors and Features	Applications Include
Translucent	Silicone Wrist Bands
White	Silicone Watch Bands
Black	Silicone Tubing
Blue	Silicone Keypads
Yellow	Silicone Swim Caps
Green	Silicone Electronic Covers
Silver	Silk Screen
Gold	Pad Print
Excellent Durability	Spraying
Great Vibrant Colors	Textile Ink
Good Washability	Silicone Control Panel Buttons
Flexible	

Caution: Contact with some materials will inhibit the drying of Print-On Silicone Ink®. These include: silicone RTV containing organo-tin catalysts, sulfur-containing compounds, amines, some urethanes, and organic acids. A small-scale compatibility test is always recommended.

Print-On Silicone Ink® can be removed from surfaces before drying by wiping with high-flash mineral spirits.

Print-On Silicone Ink® is platinum cure and uses heat to solidify and create adhesion.

Not for Product Specification

The technical data listed herein is provided as a reference only and is **not** intended as sales specifications. For sales and technical assistance or for product recommendations, please call 877-788-6653.

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