

Textile Screen

Inks

HIGH SOLID SILICON MEDIUM-382 TWO COMPONENT SILICONE MATERIAL FGSI-382

Features

- Convenient 100:2-100:5 mixing.
- Contains no PVC, phthalate, Solvents, Organotin or formaldehyde.
- Liquidity, and high viscosity
- No release of by-products
- Fast cure at elevated temperatures
- Soft and elasticity
- Semi matte

Description

FGSI-382 is a solvent-free, non-flow, two component silicone rubber. After mixing the catalyst the material will cure by an addition reaction at room temperature. The cure rate can be accelerated significantly by heat.

**TEST INKS ON SUBSTRATES
BEFORE PRODUCTION RUN**

Applications

The material has been especially developed for screen printing by hand and machine.

Typical Properties:

Individual	Unit	FGSI-382	Catalyst
Appearance		Translucent	Translucent
Viscosity	(Pa · s)	270000	
Mixed		FGSI-382: Catalyst= 100:2-100:5	
Appearance		Translucent	
Pot Life at RT	(hours)	4-8	
Viscosity	(Pa · s)	270000	

Usage:

- 1) Directly print on fabric as a transparent based, need to test the adhesive according to fabric.
- 2) Print in middle as transparent for a high density.
- 3) Mix with silicone pigment for printing, pigment percentage advice within 20% for colorful, and within 30% for white pigment, to check the suitable percentage to guarantee the color fastness and printing demand, can inquiry the supplier if any doubt.

General Instructions for Use Mixing

Select a mixing container 4-5 times larger than the total volume of material to be mixed. Weigh out the FGSI-382 and Catalyst components (in a ratio of 100 : 2-5by weight) Stir for several minutes until the material is well mixed and then print.

Curing: Can be cured within 2 minutes at 100-150 °C depending on coat weight and heat exchange efficiency. Thicker coatings will decrease the rate of heat and will therefore require a longer cure time or higher cure temperature.

Cleaning: Can generally be removed from the equipment with the same cleaning agents used to remove plastisol inks. In addition, hydrocarbon-based solvents such as white spirit can be used. Polar solvents are not suitable.

Storage: When stored at or below 30°C (86°F) in the original unopened containers, FGSI-382 has a usable life of 12 months from the date of manufacture. Ink taken from the container should not be returned to the original container to avoid contamination and curing of fresh ink.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Safety instruction: Safety information is seen on the MSDS.

Package: FGSI-382 is available as a pail kit 20 kg

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