

# ANCHOR FX 302-48 Liquid Silicone Rubber

## Product Description

FX302-48 is a two-component silicone rubber that is pourable and has an additional cure that vulcanizes after heating. This product is particularly suitable for textile coating and screen printing. It has good adhesion to polyester, Nylon series, cotton, or any textile blend.

## Features

1. High glossy.
2. Low viscosity.
3. Easy-pigmentable with LSR color pastes.
4. Good unprimed adhesion to cotton fabric.
5. Suitable for food contact.
6. This product complies with the 2011/65/EU RoHS regulations.
7. This product complies with the FDA CFR 177.26 regulations.

## Typical Uncured Properties

	FX302-48A	FX302-48B
Chemical Composition	Silicone rubber	Silicone rubber
Appearance	Liquid	Liquid
Color	Opaque	Opaque
Viscosity*25°C, cps	23,200	14,800
	S14 10rpm	S14 10rpm
Mixed Viscosity*25°C, S14 10rpm, cps	20,000	

\*This value is for reference. Please refer to COA for the actual value.

## Curing Condition

Mix Ratio (A : B)	1 : 1
Pot Life, 25°C, days	2
Through Cure Time, 120°C, min	30

## Process

Part A and Part B are delivered ready to use in 20-liter pails and 200-liter drums. Mix Part A and Part B without air in static mixing equipment. If bubbles form during mixing, confirm releasing air. The mixing ratio is 1 : 1 at 14~34°C.

## Direction of Use

1. It should be applied to a clean surface that is free of dirt, grease, or mold. In many cases, a simple solvent wipe is sufficient.
2. Mix the product evenly according to the proportion, centrifuge or vacuum to defoam, then pour it on the target.
3. Cure time on the actual part will depend on factors such as part geometry, materials to be bonded, bond line thickness, and humidity. The cure schedule should be confirmed with actual production parts and equipment.
4. Cured silicone is not harmful to humans while touching.

## Typical Cured Properties

Hardness (Durometer) ASTM D2240-03, Shore A	28
Specific Gravity, 25°C, g/cm <sup>3</sup>	1.14
Tensile Strength, N/mm <sup>2</sup>	1.2
Elongation at Break, %	350
Tear Strength, N/mm	11
Recommended Working Temperature Range, °C	-54~209

## Storage and Shelf Life

This product should be stored in a cool and dark place without any possibility of moisture exposure. Replace the lid immediately after use. The shelf life of this product is 1 year at 14~34°C in the original and unopened containers.

## Caution

Some findings indicate a lack of potential for carcinogenicity with the compositions of this product due to long-term recurrent application to the skin. However, contact with skin is likely to produce mild transient reddening. It is important to remove adhesive from the skin thoroughly with soap and water. DO NOT use solvents for cleaning hands. This product is of moderate acute toxicity when swallowed. If swallowed, call a physician. Avoid contact with eyes. In case of contact, flush with water for at least 15 minutes and get medical attention immediately. For specific information on this product, consult the Safety Data Sheet.

The data contained in this bulletin is provided only as a guide for evaluation/consideration. These material characteristics are typical properties that are based on a limited number of samples tested in the laboratory. We cannot assume responsibility for results obtained by others or whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any product or method. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.