

DYNACOPPER® SILICONE GASKET MAKER PART NO. 47101

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications

Type Oxime Silicone
Operating Temperature -85°F to 700°F
..... (-65°C to 371°C)
Primary Uses Bonding, sealing, potting, encapsulating and protective coating operations where parts must perform at high temperatures

As Supplied

Colors..... Copper
Flow/Slump..... NIL
Extrusion Rate (1/8" orifice, 90 psi)375 g/min.

Cure Characteristics – exposure to air, 77° F (25° C) and 50% RH

Skin-over time.....16 min.
Cure time (1/8" thickness) 24 hrs.

As Cured – after 72 hours at 77° F (25° C) and 50% RH

Durometer, Shore A..... 30 points
Tensile strength 210 psi
Elongation 300%



FEATURES

- Sensor safe
- Non-corrosive
- Low odor
- Replaces most gaskets
- Non-flammable
- Non-toxic
- Improved oil resistance

TYPICAL APPLICATIONS

- Valve covers
- Transmission pans
- Oil pump flanges
- Makes any gasket instantly
- Timing gear covers
- Differential covers

DESCRIPTION

Dynatex® DynaCopper® Silicone Gasket Maker is a single component, room temperature vulcanizing, gasketing compound designed to provide reliable "formed-in-place" gaskets for mechanical assemblies. Material is a non-slumping paste that cures to a tough, rubbery solid at room temperature on exposure to moisture in the air. The product resists aging, weathering and thermal cycling without hardening, shrinking or cracking. **Dynatex® DynaCopper® Silicone Gasket Maker** is designed to provide increased oil resistance, good adhesion and flexibility, sensor safe and non-corrosive.

CURE TIME

Dynatex® DynaCopper® Silicone Gasket Maker cures on exposure to moisture in the air. Material dries tack free in one hour and fully cures in 24 hours. Cure time will vary with temperature, humidity and gap.

HOW TO USE

1. Remove all previous material from mating surfaces. **Dynatex® Gasket Remover (P/N 49673)** is recommended for most materials, not for plastics or painted surfaces.
2. Clean and dry all surfaces with a residue-free solvent, such as **Dynatex® Brake and Parts Cleaner (P/N 49665)**.
3. **Dynatex® DynaCopper® Silicone Gasket Maker** is supplied ready to use. Cut nozzle to desired bead size, 1/16" to 1/4" in diameter.
4. Apply a continuous and even bead of silicone to one surface, first taking the internal areas of the gasket configuration, then all surrounding bolt holes. The paste-like consistency makes it easy to work; a spatula or wooden paddle can be used to tool the surface.

CLEAN UP

1. Allow excess material to extend beyond the extension nozzle to cure, sealing and protecting the remaining product from moisture. For reuse, simply remove the cured plug from the tip.
2. Clean hands with **Dynatex® Abrasive Wipes, P/N 53104**.

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **Dynatex® DynaCopper® Silicone Gasket Maker** has a shelf life of 12 months from date of shipment.

In Countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright. DO NOT stack cartons on their side. **NEVER** stack cartons more than 8 high. DO NOT store within 1 meter (4 feet) of roofline of the warehouse or storage building.

USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

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