

### DYNABLACK® SILICONE GASKET MAKER PART NO. 47201

#### TYPICAL PROPERTIES

These values are not intended for use in preparing specifications

METHOD TEST	UNIT	RESULT
<b>As Supplied</b>		
Appearance	Non-slump paste	
Color	Black	
C 679 Tack-Free Time, 50% RH	Minutes	15
Curing Time, 50% RH @ 77°F (22°C)	Days	7-14
C 639 Flow, Sag or Slump		
Working Time	Minutes	5-10
<b>As Cured</b>		
D 2240 Durometer Hardness,	Shore A	Points
		30
<b>As Cured – After 14 days @ 77°F (22°C)</b>		
D 412 Ultimate Tensile Strength	psi (kg/mm <sup>2</sup> )	230 (0.162)
D 412 Ultimate Elongation	Percent	350
C 794 Peel Strength, unprimed to Aluminum and glass	pli (kg/m)	25 (446)



#### DESCRIPTION

*Dynatex® DynaBlack® Silicone Gasket Maker* is a non-slump, one-part silicone rubber that cures to a tough, rubbery solid upon exposure to moisture in the air. This sealant is primarily used as a general purpose sealing and bonding agent as a space-filling rubber adhesive or formed-in-place gasket. It adheres to clean metal, glass, most types of non-oily woods, silicone resin, vulcanized rubber, ceramic, natural and synthetic fiber and many painted and plastic surfaces. Fully cured, *Dynatex® DynaBlack® Silicone Gasket Maker* stays rubbery at temperatures of -85°F (-65°C) to 500°F (260°C).

#### FEATURES

- Primer-less
- Non-corrosive
- Fast Cure
- Pleasant odor
- All-temperature application
- Excellent weatherability in sunlight, rain, snow, ozone or temperature extremes
- Long-life reliability
- Tested in accordance to 75/324/EEC Directive 6.1

#### TYPICAL APPLICATIONS

- Valve covers
- Transmission pans
- Low odor
- Replaces most gaskets
- Timing gear covers
- Improved oil resistance
- Sensor safe
- Oil pump flanges
- Good adhesion
- Differential covers
- Non-flammable
- Non-toxic

## CURE TIME

After skin formation, cure continues inward from the surface. In 24 hours (at room temperature and 50% relative humidity) *Dynatex® DynaBlack® Silicone Gasket Maker* will cure to a depth of about 2mm. Very deep sections, especially when access to atmospheric moisture is restricted, will take longer to cure completely. Cure time is extended at lower humidity levels.

## LIMITATIONS

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

## 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. Apply a continuous and even bead of silicone to one of the prepared surfaces, and then quickly cover with the other substrate to be bonded.

On exposure to moisture, the freshly applied material will "skin over" in about 25 minutes at room temperature and 50% relative humidity. Any tooling should be completed before this skin forms. The surface is easily tooled with a spatula.

## STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), *Dynatex® DynaBlack® 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.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

**Non-warranty:** Because the storage, handling and application of the material is beyond Dynatex control, we can accept no liability for the results obtained. Dynatex sole limited warranty is the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. Dynatex will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted.

Suggestions of uses should not be taken as inducements to infringe any patents.

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