



## BOSS<sup>®</sup> 193 Low Volatile Gasket Sealant

### TYPICAL PROPERTIES

Type..... Oxime Silicone, one part, non-slumping silicone paste  
 Cure.....Cures at room temperature by reaction with moisture in the air  
 Operating Temperature.....-85°F to 500°F (-65°C to 260°C)  
 Primary Uses..... Bonding, sealing, potting, encapsulating and protective coating operations where parts must perform at high temperatures

#### As Supplied

Color.....Black & Grey  
 Flow/Slump .....NIL  
 Extrusion Rate (1/8" orifice, 90 psi) ..... 500 g/min.  
 Specific Gravity .....1.40

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

Tack Free time.....15 min.  
 Cure time (1/8" thickness) ..... 24 hrs.

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

Durometer Hardness, Shore A .....30 points  
 Tensile Strength ..... 225 psi  
 Elongation ..... 550%

\*Optimum adhesion is obtained in 7 to 10 days curing time.  
 \*Use A-120 prime coat if increased adhesion is required.  
 \*Information on this data sheet is subject to change without notice and should not be used for writing specifications.  
 For additional information on specific applications, contact Accumetric, LLC



### APPLICATIONS

Use on valve covers, oil pans, transmission pans, timing covers, intake manifolds and any general gasketing applications.

### FEATURES

- Oil resistant
- Water resistant
- Noncorrosive
- O<sup>2</sup> sensor/catalytic converter safe
- Low odor
- Remains flexible
- Excellent blow out properties

### DESCRIPTION

BOSS<sup>®</sup> 193 is a low odor, sensor safe, noncorrosive silicone sealant designed for high torque applications. BOSS<sup>®</sup> 193 forms to any shape instantly. Outstanding blow out properties and resists oil, water, anti-freeze and transmission fluid. Dries tough, but remains highly flexible. Temperature resistance up to 500°F (260°C). Manufactured to meet OEM specifications.

## HOW TO USE

1. Clean and dry surfaces. Remove any soap, oil or grease.
2. For a smooth seal, hold applicator at a 45° angle pushing sealant ahead of nozzle.
3. Tooling must be completed in 5 minutes.
4. Excess material can be smoothed with a putty knife or cleaned with a damp cloth.
5. Normally sealant “skins” in 5 minutes, dries to touch in one hour, and cures and bonds in 24 hours. Optimum strength is achieved in 7 days.
6. After sealant is completely cured, excess material can be removed by trimming with a sharp blade. Avoid undercutting the seal.

## CLEAN UP

Uncured sealant can be easily removed using a solvent such as alcohol or acetone. For an environmental and health friendlier choice use BOSS® Biggie Wipes. If the sealant is cured it must be removed mechanically by cutting and scraping.

## CAUTION

CONTACT WITH UNCURED PRODUCT MAY CAUSE EYE IRRITATION. Avoid contact with eyes. Do not handle contact lenses with product on hands. Avoid contact with skin and clothing. Wash hands thoroughly after handling. **FIRST AID:** IN CASE OF EYE CONTACT, immediately flush eyes with plenty of water for 15 minutes. Get medical attention. IN CASE OF SKIN CONTACT, immediately flush/wash skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops and persists. **KEEP OUT OF REACH OF CHILDREN.** For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

## SHIPPING LIMITATIONS

None.  
Reactive VOC 39 g/l (<3.% wt)

## STORAGE AND SHELF LIFE

When stored in original unopened containers at or below 90°F (32°C), **BOSS® 193 Low Volatile Oxime Sealant** 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. **DO NOT** store within 1 meter (4 feet) of roofline of the warehouse or storage building.

## PACKAGING

**BOSS® 193** is available in 52 gallon drums. Other sizes available upon request.

## 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 Accumetric's control, we can accept no liability for the results obtained. Accumetric's 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. Accumetric 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.

MADE IN U.S.A.

## **BOSS® PRODUCTS**

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