

## BOSS<sup>®</sup> 411 Silicone General Purpose Compound

### TYPICAL PROPERTIES

Appearance .....	Translucent Paste
Penetration (worked 60X) .....	240
Bleed (200°C - 24 Hrs) .....	0.1%
Evaporation (200°C - 24 Hrs) .....	0.6%
Dielectric Strength (50 mil) .....	710 V/mil
Dielectric Constant (1 KHz) .....	2.9
Volume Resistivity (Ohm-cm) .....	4.5 X 10 <sup>13</sup>
Dissipation Factor (1 KHz) .....	0.0005
Specific Gravity .....	1.03
Service Temperature .....	-30°F to 540°F
Application Temperature .....	-30°F to 140°F

\*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



### DESCRIPTION

**BOSS<sup>®</sup> 411** is a silicon dioxide thickened very high molecular weight dimethyl polysiloxane based material. It is an extremely stiff, tacky, tenacious compound with excellent water repellency even to sea water. It has outstanding high temperature and vacuum capabilities as well.

### USES

- Excellent water and lubricant
- Compatible with rubber and plastic
- Chemically inactive
- High temperature resistance and dielectric properties
- Suitable for vacuum interfaces
- Low volatility

## SPECIFICATIONS

**BOSS® 411** Silicone General Purpose Compound complies with the requirements of FDA 21 CFR 178.3570 Lubricants for Incidental Food Contact. Compliance does not mean that the material is FDA approved. To be approved the user must also comply with all applicable FDA requirements.

## CLEAN UP

Spilled silicone greases and compounds will cause slippery conditions. Wipe up and clean spills immediately to prevent possible injury.

Silicone greases and compounds may be cleaned with the use of hydrophobic solvents (non-polar) such as chlorinated ethanes, toluene, hexane or mineral spirits. They are generally unaffected by hydrophilic solvents (polar) such as alcohols, ketones, ethers or water.

Whenever solvents are used, all proper safety precautions must be observed. It is advisable to consider all solvents as toxic and use them only in well ventilated areas with proper protective equipment such as goggles, gloves, clothing and respirators. Avoid prolonged exposure to solvents. Be aware of their flammability status.

Consult applicable OSHA, EPA and other federal, state and local regulations on the use and disposal of solvents.

Make sure that the choice of solvent does not affect the substrate that is being cleaned.

## PACKAGING

**BOSS® 411** Silicone General Purpose Compound is available in 5.3 Oz. tubes, 1 gallon pails, 5 gallon pails and 55 gallon drums. Other sizes available upon request.

## SHIPPING LIMITATIONS

None  
Nonreactive VOC 11 g/l (<1.5% wt)

## LIMITATIONS

Do not use with highly oxidative chemicals such as liquid oxygen, chlorine or peroxides, nor surfaces to be painted. Not for use as a lubricant for metal to metal surfaces.

## STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 411** Silicone General Purpose Compound 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 with the nozzle tip pointed upwards. **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.

## CAUTION

**BOSS® 411** Silicone General Purpose Compound has not been known to produce any lasting harmful effects. Contact with eyes may cause transitory irritation which usually disappears in a few hours. If contact with the eyes occurs, slushing them with water will relieve and reduce the discomfort. **KEEP OUT OF REACH OF CHILDREN.** For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

## 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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