

# BOSS® 416 Silicone General Purpose Compound

### TYPICAL PROPERTIES

Appearance .....	Translucent Paste
Penetration (worked 60X) .....	250
Bleed (200°C-24 Hrs) .....	0.1%
Evaporation (200°C-24 Hrs) .....	0.8%
Dielectric Strength (50 mil) .....	710 V/mil
Dielectric Constant (1 KHz) .....	2.9
Volume Resistivity (Ohm-cm) .....	$7.5 \times 10^{13}$
Dissipation Factor (1 KHz) .....	0.0025
Specific Gravity .....	1.03
Temperature Range .....	-40°C to 200°C (-40°F to 400°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® 416** is a silicon dioxide thickened high molecular weight dimethyl polysiloxane based material. It is a stiff, tacky, dielectric compound with excellent water repellency.

### SPECIFICATIONS

**BOSS® 416** Silicone General Purpose Compound complies with the requirements of the 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.

### USES

**BOSS® 416** Silicone General Purpose Compound was designed for use as a water repellent, sealing compound. Its grease-like consistency, high tack, chemical inactivity and superior dielectric properties make it an excellent choice for use on sealing or vacuum interfaces as in brake systems, ignition components, electrical connectors, meters, underground services, marine applications or outdoor equipment. **BOSS® 416** is a hydrolytically stable, essentially non-toxic and non-corrosive compound which maintains its consistency throughout a wide temperature range. It is an excellent release agent and lubricant for rubber and plastic parts such as O-rings, valves or plastic gears. Because of its high molecular weight formula, **BOSS® 416** also has superior resistance to vacuum making it an excellent choice for use as a stopcock valve and thread lubricant.

## PACKAGING

**BOSS® 416** is available in 5.3 ounce tubes, 1 gallon pails (8 lbs.), 5 gallon pails (40 lbs.) and 55 gallon drums (400 lbs.). Other sizes available upon request.

## 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.

## 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 of disposal of solvents.

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

## STORAGE AND SHELF LIFE

When stored in original unopened container at or below 100°F, **BOSS® 416** has a shelf life of 12 months from date of shipment. Extended storage life is probable, but the compound should be checked for consistency before use. Containers should always be kept sealed when not in use.

## CAUTION

**BOSS® 416** has not been known to produce any lasting harmful effects. Contact with the eyes may cause transitory irritation which usually disappears in a few hours. If contact with the eyes occurs, flushing them with water will relieve and reduce the discomfort.

## 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.

The supplier warrants only that its products will meet its specifications. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. The users exclusive remedy and the suppliers sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than as warranted. The supplier will not be liable for incidental or consequential damages of any kind.

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

MADE IN U.S.A.

## **BOSS®** PRODUCTS

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