

PRODUCT SPECIFICATIONS

PART NUMBER: BRDG5-04313



AT-A-GLANCE

PRODUCT DESCRIPTION

BOSS® 440 SILICONE DIELECTRIC COMPOUND SOLD BY VERICOM®

Silicon dioxide thickened dimethyl polysiloxane based material used as a protectorant for electronic and electrical apparatus to prevent electrical power from migrating between circuitry.

SPECIFICATIONS

BOSS® 440 Silicone Dielectric Compound meets performance requirements of the following specifications:

- MIL-S-8660C
- Complies with FDA 21 CFR 178.3570 Lubricants for Incidental Food Contact (Compliance does not mean the material is FDA approved. To be approved the user must also comply with all applicable FDA requirements.)

PACKAGING	5.3 oz. TUBE
QUANTITY / CASE	12
COLOR	CLEAR
MFG PART NO.	44053
VERICOM PART NO.	BRDG5-04313

TYPICAL PROPERTIES

Appearance		Translucent Paste
Penetration	(worked 60X)	264
	(unworked)	245
	(heat worked)	287
Bleed	(200°C - 30 Hrs)	2.9%
Evaporation	(200°C - 30 Hrs)	1.3%
Dielectric Strength	(10 mil)	615 V/ mil
	(50 mil)	425 V/ mil
Dielectric Constant	(1 KHz)	2.81
	(1 MHz)	2.49
	(10 MHz)	2.42
Dissipation Factor	(1 KHz)	0.0005
	(1 MHz)	0.0009
	(10 MHz)	0.0010
Volume Resistivity	(Ohm-cm)	3.2 x 10 ¹⁴
Arc Resistance	(seconds)	92
Flammability		Non-flammable
Low Temp.Torque (-54°)	Starting (gram-cm)	435
	Running (gram-cm)	327
Specific Gravity		1.03
Service Temperature		-65°F to 400°F
Application Temperature		-30°F to 140°F

BOSS® 440 SILICONE DIELECTRIC COMPOUND SOLD BY VERICOM®

BOSS® 440 Silicone Dielectric Compound is a silicon dioxide thickened dimethyl polysiloxane based material that is easily spreadable and smooth. It was designed for use as a protectorant compound useful as a protectorant for electronic and electrical apparatus to prevent electrical power from migrating between circuitry. It can be used on switches, high voltage insulators, battery terminals, meters, electrical connectors, buss bar and many other electrical components. It is a chemically inert, water repellent compound and provides superior protection for plastics, rubbers and glass.

USES

- Heat stable
- Excellent release agent and lubricant for plastics, rubbers and glass
- Prevents electrical power from migrating between circuitry
- Dielectric properties

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.

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.

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CAUTION

BOSS[®] 440 Silicone Dielectric 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, flushing them with water will relieve and reduce the discomfort. KEEP OUT OF THE REACH OF CHILDREN. For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), BOSS[®] 440 Silicone Dielectric 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.

SHIPPING LIMITATIONS

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

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 users 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 / Vericom's control, we can accept no liability for the results obtained. Accumetric's / Vericom'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 / Vericom 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.