

## TECHNICAL DATA SHEET

### DIELECTRIC GREASE PART NO. 49634

#### CHARACTERISTICS

Property	Typical Value
Appearance.....	Translucent paste
Penetration (Worked 60X).....	240
Bleed (200°C-24 Hrs).....	0.1%
Evaporation (200°C-24Hrs).....	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
Temperature Range.....	-40 to 200°C (-40 to 400°F)



#### DESCRIPTION

*Dynatex® Dielectric Grease* 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 seawater. It has outstanding high temperature and vacuum capabilities as well.

#### FEATURES

- Moisture proof
- Resists acid and alkalines
- Prevents corrosion
- Prevents fusing of spark wires to spark plugs
- Ideal for automotive and marine applications
- Displaces moisture in ignition and electrical systems
- Maintains its consistency in extreme temperatures
- Keeps battery terminals corrosion free
- Prevents voltage leakage

#### TYPICAL APPLICATIONS

- Spark plug boots
- Distributor cap nipples
- Battery terminals
- Ignition coil connectors
- Headlamp connectors
- Trailer electrical connectors
- Bulb sockets
- High energy ignition systems

#### RESTRICTIONS

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.

#### TOXICITY

*Dynatex® Dielectric Grease* 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.

## CLEANING

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, and hexane or mineral spirits. They are generally unaffected by hydrophilic solvents (polar) such as alcohols, ketones, ethers or water.

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

## STORAGE AND SHELF LIFE

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