

# Novagard® G635

## Specification Data



### DESCRIPTION

Novagard G635 is an amorphous fumed silica-thickened, methyl-diphenyl polysiloxane based compound. The very broad operating temperature range typical of phenyl-modified silicone fluids characterizes Novagard G635. The product retains its superior lubricity and dielectric character in temperature extremes from as low as -57°C to as high as 200°C.

### APPLICATIONS

Novagard G635 is an excellent dielectric compound with good moisture barrier and corrosion resistance properties. Among other applications, Novagard G635 has been used successfully on high voltage insulators, connectors, disconnect junctions, automobile and aircraft ignition systems, and other electronic equipment.

### RESTRICTIONS

Do not use in or around highly oxidative chemicals such as liquid oxygen or peroxides. Not recommended for application to surfaces that are to be painted or soldered.

### AVAILABILITY

Novagard G635 is available in 5.3 ounce tubes, 1 gallon pails, 5 gallon pails, and 55 gallon drums.

### STORAGE

Novagard has a shelf-life of sixty (60) months from the date of manufacture, as indicated by the lot number, when stored in the original, unopened container at, or below, 100°F.

### PRECAUTIONS

Silicone greases may be cleaned with non-polar solvents such as toluene, hexane, and mineral spirits. Whenever using solvents be certain to observe all proper, safety precautions. Not for application on surfaces that are to be painted

Consult and obey all applicable local, state, and federal regulations for disposal of solvent and silicone waste. For additional information consult product S.D.S.

### PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Translucent Paste
Penetration (worked 60X)	ASTM D217	200 - 300
Bleed	200°C/24 hours	10.0% maximum
Evaporation	200°C/24 hours	3.0% maximum

### TYPICAL PROPERTIES\*

Physical Property	Test Method	Typical Value
Specific Gravity		1.02 – 1.06
Water Washout	ASTM D1264	0.4%
Volume Resistivity	ASTM D257	4.8 x 10 <sup>14</sup> Ω-cm
Dissipation Factor	ASTM D150	0.0019
Dielectric Constant	ASTM D150	2.9 (@ 1 KHz)
Dielectric Strength 10 mil gap	ASTM D149	600 v/mil

\*The values outlined reflect testing that was conducted under laboratory conditions, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional information.

### ADDITIONAL INFORMATION

Novagard believes that the information provided is a true and accurate description of the typical characteristics of the aforementioned product; however, it is the responsibility of the individual user to thoroughly test the product in their specific application to determine performance, efficacy, and safety.