

Novagard® G627

Specification Data



DESCRIPTION

Novagard G627 is a grease-like material formulated with select polydimethyl siloxane fluids in combination with inert, amorphous silica fillers. It is useful as a general purpose, water-repellant coating or sealant to prevent corrosion.

APPLICATIONS

Novagard G627 is an excellent dielectric compound with good moisture barrier and corrosion resistance properties. Due to its superior nature, Novagard G627 is often employed in high energy/high voltage situations. It has proven compatibility with a wide range of plastics and elastomeric materials. Novagard G627 is a good release agent for spark plug boots and when used on ignition rotors It is an excellent damper for radio frequency interference from the ignition system.

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 G627 is available 1 gallon pails, 5 gallon pails, and 55 gallon drums.

STORAGE

Novagard G627 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	1.0% maximum
Evaporation	200°C/24 hours	3.0% maximum

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.02 – 1.06
Volume Resistivity	ASTM D257	$1.0 \times 10^{15} \Omega\text{-cm}$
Dissipation Factor	ASTM D150	-0.0001
Dielectric Constant	ASTM D150	2.8 (@ 1Khz)
Dielectric Strength 10 mil gap	ASTM D149	1100 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.