

NOVAGARD[®]

SILICONES

G627[™]

Specification Data

DESCRIPTION

Novagard[®] G627 is a grease-like material formulated with select polydimethyl siloxane fluids in combination with inert, amorphous silica fillers. 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, G627 is often employed in high energy / high voltage situations. 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 eighteen (18) months from the date of manufacture, as indicated by the lot number, when stored in the original, unopened container at, or below, 100°F.

PRODUCT SPECIFICATIONS

| Physical Property | Test Method | Performance Range |
|--------------------------|------------------|-------------------|
| Appearance | | Translucent paste |
| Penetration (worked 60X) | ASTM D 217 | 200-300 |
| Bleed | 200°C / 24 hours | 1.0 % maximum |
| Evaporation | 200°C / 24 hours | 3.0 % maximum |

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 M.S.D.S.

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.

TYPICAL PROPERTIES*

| Physical Property | Test Method | Typical Value |
|-----------------------------------|-------------|---------------------------------------|
| Specific Gravity | | 1.02 – 1.06 |
| Volume Resistivity | ASTM D 257 | $1.0 \times 10^{15} \Omega\text{-cm}$ |
| Dissipation Factor | ASTM D 150 | -0.0001 |
| Dielectric Constant | ASTM D 150 | 2.8 (@ 1Khz) |
| Dielectric Strength 10 mil gap | ASTM D 149 | 1100 v/mil |

*The values outlined reflect testing that was conducted on laboratory prepared specimens, 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.

Novagard **Solutions**[™]

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