

NOVAGARD[®]

SILICONES

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 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, 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 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	10.0 % 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
Water Washout	ASTM D 1264	0.4%
Volume Resistivity	ASTM D 257	$4.8 \times 10^{14} \Omega\text{-cm}$
Dissipation Factor	ASTM D 150	0.0019
Dielectric Constant	ASTM D 150	2.9 (@ 1Khz)
Dielectric Strength 10 mil gap	ASTM D 149	600 volts/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.

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