

NOVAGARD[®]

SILICONES

G661[™]

Specification Data

DESCRIPTION

Novagard[®] G661 is a grease-like material formulated with select polydimethyl siloxane fluids in combination with inert, amorphous silica fillers. G661 is a stiff, tacky, non-melting silicone compound with good resistance to water and most chemicals.

APPLICATIONS

Novagard G661 is truly a general purpose compound. It is most frequently used as a valve and O-ring lubricant; however, the material's unique dual nature, lubricity and sealing, supports a long list of both past, and current, applications. Applications range from a valve and O-ring lubricant in small, hydraulic piston assemblies to high vacuum sealant in laboratory services.

RESTRICTIONS

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

AVAILABILITY

Novagard G661 is available in 5.3 ounce tubes, 1-gallon pails, 5-gallon pails, and 55-gallon drums.

STORAGE

Novagard G661 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	2.0 % 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	1.30 %
Low Temperature Torque Start Running	ASTM D 1478 (-54°C / -65°F)	944 gm-cm 885 gm-cm
Volume Resistivity	ASTM D 257	4.0 x 10 ¹⁴ Ω-cm
Dissipation Factor	ASTM D 150	0.0016
Dielectric Constant	ASTM D 150	2.2 (@ 1Khz)
Dielectric Strength 10 mil gap	ASTM D 149	800 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.

Novagard **Solutions**[™]
5109 Hamilton Avenue
Cleveland, OH 44114
Phone: (216) 881-3890 Facsimile: (216) 881-6977
WWW.NOVAGARD.COM

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