

Novagard® G671

Technical Data Specification



DESCRIPTION

Novagard® G671 is a grease-like material formulated with select polydimethyl siloxane fluids in combination with inert, amorphous silica fillers. G671 is a stiff, tacky, non-melting silicone compound with good resistance to water and most chemicals.

APPLICATIONS

Novagard G671 is truly a general purpose compound. It is most frequently used as a valve and Oring 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 G671 is available in 5.3 ounce tubes, 1-gallon pails, 5-gallon pails, and 55-gallon drums.

STORAGE

Novagard G671 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.

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.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Translucent Paste
Penetration (worked 60X)	ASTM D217	250 – 300
Bleed	200°C/24 hours	1.0% maximum
Evaporation	200°C/24 hours	2.0% maximum

TYPICAL PROPERTIES*

Physical Property	Test Method	Performance Range
Specific Gravity		1.02 – 1.06
Water Washout	ASTM D1264	1.30 %
Low-Temperature Torque Start Running	ASTM D1478 (-54°C/-65°F)	944 gm-cm 885 gm-cm
Volume Resistivity	ASTM D257	4.0 x 10 ¹⁴ Ω·cm
Dissipation Factor	ASTM D150	0.0016
Dielectric Constant	ASTM D150	2.2 (@ 1 kHz)
Dielectric Strength 10 mil gap	ASTM D149	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.

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