

Novagard® G624

Specification Data



DESCRIPTION

Novagard G624 is an amorphous fumed silica thickened, polysiloxane based compound. Originally formulated to conform with the specifications outlined in SAE-AMS8660, Novagard G624 is an excellent water barrier with superior corrosion protection properties. Similar in many aspects to G623, only produced to a slightly higher penetration specification (softer).

APPLICATIONS

Novagard G624 is a general purpose compound; formulated specifically for use as a water repellent coating to prevent corrosion, especially in critical applications that require good dielectric properties. Novagard G624 offers superior corrosion protection to many metal substrates. It exhibits proven compatibility with a wide range of plastics and elastomeric materials.

RESTRICTIONS

Do not use in or around highly oxidative chemicals such as liquid oxygen or peroxides.

AVAILABILITY

Novagard G624 is available in 5.3 ounce tubes, 1 gallon pails, 5 gallon pails, and 55 gallon drums.

STORAGE

Novagard G624 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.

PRECAUTIONS

Silicone compounds 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 - 310
Bleed	200°C/30 hours	8.0% maximum
Evaporation	200°C/30 hours	2.0% maximum

TYPICAL PROPERTIES*

Physical Property	Test Method	Typical Value
Specific Gravity		1.02 – 1.06
Water Washout	ASTM D1264	0.86 %
Low Temperature Torque Start Running	ASTM D1478 (-54°C/-65°F)	944 gm-cm 885 gm-cm
Volume Resistivity	ASTM D257	1.1 x 10 ¹⁵ Ω-cm
Dissipation Factor	ASTM D150	-0.0010
Dielectric Constant	ASTM D150	2.5 (@ 1 Mhz)
Dielectric Strength 10 mil gap 50 mil gap	ASTM D150	1400 v/mil 700 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.