

RTV 600-2XX

Silicone Gels

DESCRIPTION

Novagard RTV 600-2XX are unique addition cure silicone gels for potting and encapsulation. Once mixed at the proper ratio, these non-corrosive, two-component silicone compounds will cure to a solid rubber.

FEATURES & BENEFITS

- *Exceptionally fast cure*
- *Convenient mix 1:1 ratio*
(Single component UV cure available)
- *Controlled rheology*
- *Solvent free formulations*
- *No corrosive byproducts*
- *Variable hardness*

INSTRUCTIONS

These materials are shipped in separate containers that are labeled Part A and Part B. Part A is the base, and Part B is the cure. While the material may be mixed by hand, it is more appropriate to use automated, meter-mixing equipment. The compounds are designed with a 1:1 volume:volume mix ratio. Automated mixing equipment eliminates the need for a deairation cycle. If mixing by hand, weigh 100 parts of Part A in to an appropriately sized mixing vessel; add 100 parts of Part B and mix thoroughly. Vacuum degas.

STORAGE

It is recommended that Novagard® silicone gels may be stored in the original unopened containers at, or below, 80° F (25°C) for up to six months.

AVAILABILITY

Consult Novagard Sales representative for packaging options and volume requirements.

PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Clear fluids
Viscosity (mixed)	Brookfield @ 20 rpm 600-200 600-210 600-220	4,000 – 8,000 cps 500-1000 cps <500 cps
Shore Hardness*	ASTM D 2240 600-200 600-210 600-220	----- 40 Shore 0 80 Shore 0
Mix Ratio	Base : Cure (by volume)	1 : 1
Working Time	Mixed, 25°C	10-15 minutes
Cure Time	Ambient Temperature	3-4 hours

RTV 600-200 is a super soft re-enterable gel shore hardness cannot be measured.

PRECAUTIONS

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. Certain materials, chemicals, curing agents and plasticizers may inhibit the cure. The most notable are organo-tin catalysts, polysulfide and other sulfur-containing materials.

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

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		0.95-1.05
Dielectric Constant (100 HZ / 100 KHz)	ASTM D 150	TBD
Dielectric Strength	ASTM D 149	TBD volts/mil
Volume Resistivity	ASTM D 149	TBD ohms-cm
Operating Temperature		-40°C TO 200°C

*The values outlined reflect testing that was conducted on unpigmented laboratory prepared specimens, actual results may vary. Results are after heat cure plus 3 days at 25°C/50%.

Novagard **Solutions™**

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Form Name
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